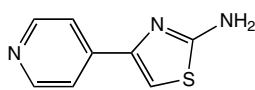


Pyridylthiazoles

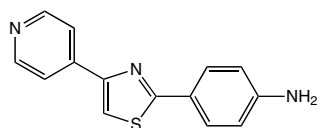
Pyridylthiazole compounds have found use in a variety of diverse applications from highly luminescent heterocyclic compounds¹ to potential antiulcer drugs,² to the formation of double and triple helicates with Cu(II),³ to the mesoscopically ordered pH-responsive hybrid materials.⁴ Moreover, their structural motifs can be found in thiopeptide antibiotics such as Amythiamicin D.⁵ A number of new pyridylthiazole derivatives are now available through Alfa Aesar, and many have already been extensively cited in scientific literature.

Clariant has patented the use of thiazolyl-pyridinium based dyes in optical layers for optical data recording which includes the use of H51754.⁶ A series of potent, orally active antiallergy agents have involved H52238.⁷ Researchers from Italy have been able to react H51851 or B20457 with either Zn(II), Co(II) or Cu(II) salts to form coordination complexes with assorted geometry at the metal centers.⁸ Alfa Aesar has expanded its comprehensive range of pyridylthiazole derivatives with the following products.



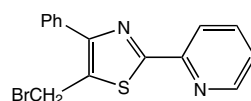
H52238

2-Amino-4-(4-pyridyl)-thiazole, 97%



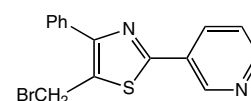
H52250

2-(4-Aminophenyl)-4-(4-pyridyl)thiazole, 97%



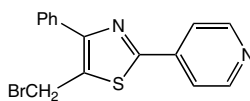
H51772

5-Bromomethyl-4-phenyl-2-(2-pyridyl)thiazole, 97%



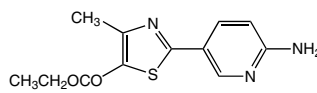
H51779

5-Bromomethyl-4-phenyl-2-(3-pyridyl)thiazole, 97%



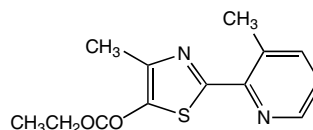
H51791

5-Bromomethyl-4-phenyl-2-(4-pyridyl)thiazole, 97%



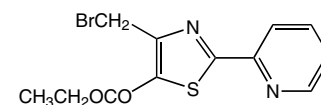
H51842

Ethyl 2-(2-amino-5-pyridyl)-4-methylthiazole-5-carboxylate, 97%



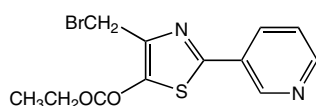
H52244

Ethyl 2-(3-methyl-2-pyridyl)-4-methylthiazole-5-carboxylate, 97%



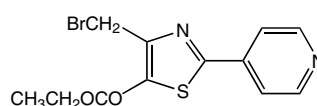
H51727

Ethyl 4-bromomethyl-2-(2-pyridyl)thiazole-5-carboxylate, 97%



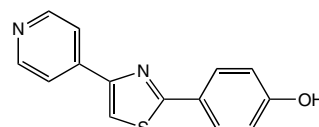
H51811

Ethyl 4-bromomethyl-2-(3-pyridyl)thiazole-5-carboxylate, 95%



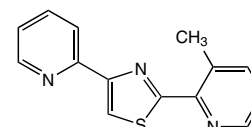
H51817

Ethyl 4-bromomethyl-2-(4-pyridyl)thiazole-5-carboxylate, 95%



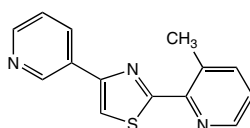
H52229

2-(4-Hydroxyphenyl)-4-(4-pyridyl)thiazole, 97%



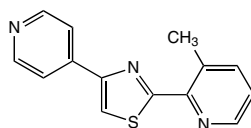
H52150

2-(3-Methyl-2-pyridyl)-4-(2-pyridyl)thiazole, 97%



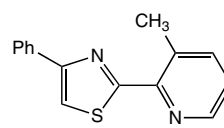
H52230

2-(3-Methyl-2-pyridyl)-4-(3-pyridyl)thiazole, 97%



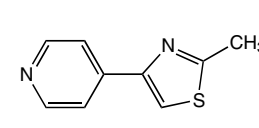
H52242

2-(3-Methyl-2-pyridyl)-4-(4-pyridyl)thiazole, 97%



H52158

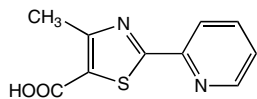
2-(3-Methyl-2-pyridyl)-4-phenylthiazole, 97%



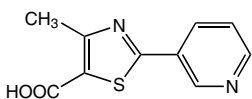
H52155

2-Methyl-4-(4-pyridyl)thiazole, 97%

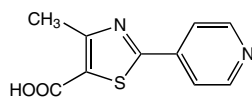
Pyridylthiazoles



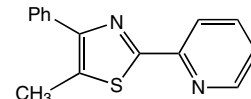
H51711
4-Methyl-2-(2-pyridyl)thiazole-5-carboxylic acid, 97%
[34418-48-9]



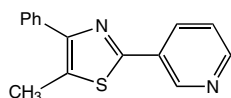
H51723
4-Methyl-2-(3-pyridyl)thiazole-5-carboxylic acid, 97%
[39091-01-5]



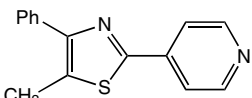
H51753
4-Methyl-2-(4-pyridyl)thiazole-5-carboxylic acid, 97+%
[144060-98-0]



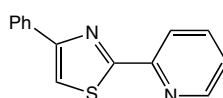
H51777
5-Methyl-4-phenyl-2-(2-pyridyl)thiazole, 97%



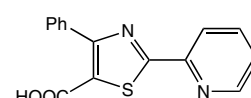
H51784
5-Methyl-4-phenyl-2-(3-pyridyl)thiazole, 97%



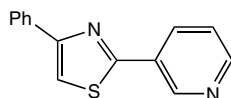
H51787
5-Methyl-4-phenyl-2-(4-pyridyl)thiazole, 97%



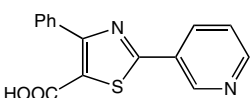
H51731
4-Phenyl-2-(2-pyridyl)thiazole, 97%
[14384-67-9]



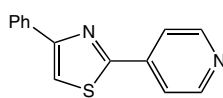
H51850
4-Phenyl-2-(2-pyridyl)thiazole-5-carboxylic acid, 97%



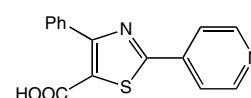
H51748
4-Phenyl-2-(3-pyridyl)thiazole, 97%
[70031-86-6]



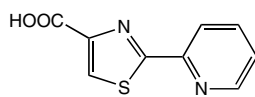
H51819
4-Phenyl-2-(3-pyridyl)thiazole-5-carboxylic acid, 97%



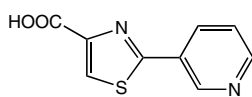
H51754
4-Phenyl-2-(4-pyridyl)thiazole, 97%
[106950-18-9]



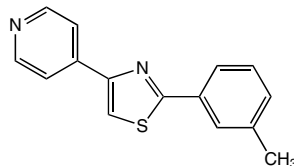
H51826
4-Phenyl-2-(4-pyridyl)thiazole-5-carboxylic acid, 97%



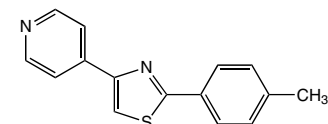
H51851
2-(2-Pyridyl)thiazole-4-carboxylic acid, 97%



H51838
2-(3-Pyridyl)thiazole-4-carboxylic acid, 97%
[39067-29-3]



H52233
4-(4-Pyridyl)-2-(m-tolyl)thiazole, 97%



H52138
4-(4-Pyridyl)-2-(p-tolyl)thiazole, 97%

¹U. W. Grummt, D. Weiss E. Birkner, R. Beckert., *J Phys. Chem. A.*, 2007, **111**, 1104.

²Y. Katsura, Y. Inoue, T. Tomishi, H. Ishikawa, & Hi. Takasugi, *J. Med. Chem.*, 1994, **37**, 57.

³C. R. Rice, S. Wörl, J. C. Jeffery, R. L. Paul & M. D. Ward, *Chem. Commun.*, 2000, 1529.

⁴L.-L. Li, C.-J. Fang, H. Sun & C.-H. Yan, *Chem. Mater.*, 2008, **20**, 5977.

⁵R. A. Hughes, S. P. Thompson, L. Alcaraz, & C. J. Moody, *J. Am. Chem. Soc.* 2005, **127**, 15644.

⁶Clariant International LTD Patent: WO2006/24642 A1, 2006

⁷K. D. Hargrave, F. K. Hess, & J. T. Oliver, *J. Med. Chem.*, 1983, **26**, 1158.

⁸A. Rossin, B. D. Credico, G. Giambastiani, L. Gonsalvi, M. Peruzzini, & G. Reginato, *Euro. J. Inorg. Chem.*, 2011, 539.