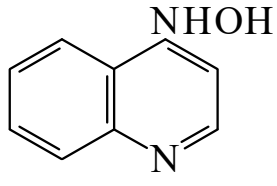
>>**Entry Name: 4-(Hydroxyamino)quinoline**
Synonym(s): *N*-Hydroxy-4-quinolinamine, 9CI. 4-Hydroxylaminoquinoline



CAS Registry Number: 13442-05-2
Related CAS Registry Numbers(s): 1010-61-3

Molecular Formula: $C_9H_8N_2O$
Molecular Weight: 160.175
Accurate Mass: 160.063663
Percentage Composition: C 67.49%; H 5.03%; N 17.49%; O 9.99%

>>**Derivative:** Hydrochloride

CAS Registry Number: 21626-47-1
Melting Point: Mp 161-162°

>>**Derivative:** 1-Oxide

CAS Registry Number: 4637-56-3
Molecular Formula: $C_9H_8N_2O_2$
Molecular Weight: 176.174
Accurate Mass: 176.058578
Percentage Composition: C 61.36%; H 4.58%; N 15.90%; O 18.16%
Source/Synthesis: Intermed. in carcinogenic activity of 4-aminoquinoline 1-oxide and related compds.
Physical Description: Pale-brown needles or powder (MeOH)
Melting Point: Mp 190 dec.°
Other Data: Exists mainly as its hydroxyimino tautomer
Hazard & Toxicity: Exp. carcinogen. Mutagen. Pancreas is a target organ in rodents

References:

Itai, T. *et al.*, *Chem. Pharm. Bull.*, 1961, **9**, 87, *(oxide)*
Hamana, M. *et al.*, *Yakugaku Zasshi*, 1962, **84**, 42, *(synth)*
Kawazoe, Y. *et al.*, *Tetrahedron*, 1980, **36**, 2933, *(uv, pmr, struct, oxide)*
Rao, M.S. *et al.*, *Int. J. Pancreatol.*, 1987, **2**, 1, *(tox)*
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, HIY500; HIZ000