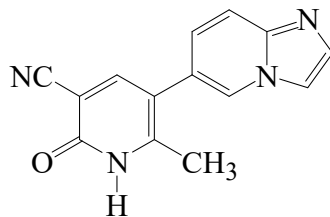




>>Entry Name: Olprinone

Synonym(s): 1,2-Dihydro-5-imidazo[1,2-*a*]pyridin-6-yl-6-methyl-2-oxo-3-pyridinecarbonitrile, gCl. Coretec. Loprinone. E 1020



CAS Registry Number: 106730-54-5

Molecular Formula: C₁₄H₁₀N₄O

Molecular Weight: 250.259

Accurate Mass: 250.085461

Percentage Composition: C 67.19%; H 4.03%; N 22.39%; O 6.39%

Biological Use/Importance: Inotropic agent. Phosphodiesterase type III inhibitor for acute heart failure

Development Status: Launched in 1996 (Japan) (Eisai)

>>Derivative: Hydrochloride

CAS Registry Number: 119615-63-3

Physical Description: Cryst. (DMF)

Other Data: Mp >300°

References:

- Japan. Pat., 1986, Eisai, 61 218 589; *CA*, **106**, 84605u, (*synth, pharmacol*)
Ogawa, T. *et al.*, *Arzneim.-Forsch.*, 1989, **39**, 33-37; 38-45, (*pharmacol*)
Kubota, T. *et al.*, *Arzneim.-Forsch.*, 1991, **41**, 1211-1215, (*pharmacol*)
Yamanaka, M. *et al.*, *Chem. Pharm. Bull.*, 1991, **39**, 1556-1567, (*synth, pmr, pharmacol*)
Endoh, M., *Cardiovasc. Drug Rev.*, 1993, **11**, 432-450, (*rev*)
Powers, F.M. *et al.*, *Mol. Cell. Biochem.*, 1996, 33-39; 160-161, (*pharmacol*)
Adachi, H. *et al.*, *J. Cardiovasc. Pharmacol.*, 1997, **29**, 763-771, (*bibl, pharmacol*)