



>>Entry Name: **Hirudin**

Synonym(s): Exhirud. Exhirudine. Hirudex

CAS Registry Number: 8001-27-2

Source/Synthesis: Isol. from the salivary glands of the medicinal leech *Hirudo medicinalis*

Use/Importance: Powerful anticoagulant. Thrombin inhibitor

Physical Description: Flakes or powder

Solubility: Sol. H₂O

Sigma: H4256

References:

- Badgy, D. *et al.*, *Methods Enzymol.*, 1976, **45**, 669, (*isol*)
Markwardt, F. *et al.*, *Thromb. Haemostasis*, 1984, **52**, 160, (*pharmacokinet*)
Wallis, R.B., *Trends Pharmacol. Sci.*, 1988, **9**, 425, (*rev*)
Walsmann, P. *et al.*, *Drugs of Today (Barcelona)*, 1989, **25**, 473, (*rev, isol, struct, pharmacol*)
Markwardt, F., *Haemostasis*, 1991, **21**, 11, (*rev*)
Okayama, T. *et al.*, *Chem. Pharm. Bull.*, 1996, **44**, 1344, (*sar*)
Toschi, V. *et al.*, *Coron. Artery Dis.*, 1996, **7**, 420, (*rev*)
Lombardi, A. *et al.*, *J. Med. Chem.*, 1996, **39**, 2008, (*sar*)
Martindale, The Extra Pharmacopoeia, 31st edn., Pharmaceutical Press, 1996, 885
Wallis, R.B., *Semin. Thromb. Hemostasis*, 1996, **22**, 185, (*rev*)