

Hirudin (54-65; non-sulfated) (trifluoroacetate salt)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Hirudin (54-65; non-sulfated) is a desulfated peptide fragment of hirudin, an anticoagulant produced by <i>H. medicinalis</i> . It inhibits fibrin clot formation induced by isolated bovine thrombin with an IC ₅₀ value of 3.7 μM. ²
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 1 mg/mL, Sonication is recommended. DMF: 1 mg/mL, Sonication is recommended. PBS (pH 7.2): 1 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Niehrs, C., Huttner, W.B., Carvallo, D., et al. Conversion of recombinant hirudin to the natural form by in vitro tyrosine sulfation. Differential substrate specificities of leech and bovine tyrosylprotein sulfotransferases. *Biol. Chem.* 265(16):9314-9318(1990)

Payne, M.H., Krstenansky, J.L., Yates, M.T., et al. Positional effects of sulfation in hirudin and hirudin PA related anticoagulant peptides. *J. Med. Chem.* 34(3):1184-1187(1991)

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