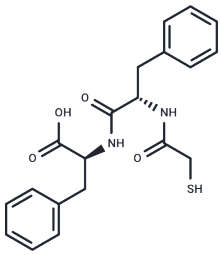
Data Sheet (Cat.No.T25941)

TargetMol

Phelorphan

Chemical Properties



CAS No. : 110871-16-4

Formula: C20H22N2O4S

Molecular Weight: 386.46

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	Phelorphan is an inhibitor of enkephalinase.
Targets(IC50)	Others,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5876 mL	12.9379 mL	25.8759 mL
5 mM	0.5175 mL	2.5876 mL	5.1752 mL
10 mM	0.2588 mL	1.2938 mL	2.5876 mL
50 mM	0.0518 mL	0.2588 mL	0.5175 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Van Amsterdam JG, Llorens-Cortes C. Inhibition of enkephalin degradation by phelorphan: effects on striatal [Met5]enkephalin levels and jump latency in mouse hot plate test. Eur J Pharmacol. 1988 Sep 23;154(3):319-24. PubMed PMID: 3234484.

Haffmans J, Walsum MV, van Amsterdam JC, Dzoljic MR. Phelorphan, an inhibitor of enzymes involved in the biodegradation of enkephalins, affected the withdrawal symptoms in chronic morphine-dependent rats. Neuroscience. 1987 Jul;22(1):233-6. PubMed PMID: 2888045.

van Amsterdam JG, van Buuren KJ, Krielaart MJ, Zuiderveld OP, Tijms RP. Effect of inhibitors of enkephalin degradation in the isolated guinea-pig ileum. Life Sci. 1988;43(19):1529-36. PubMed PMID: 3193845.

Dzoljic MR. Enkephalinase inhibitors attenuate naloxone-precipitated withdrawal syndrome. NIDA Res Monogr. 1986;75:575-8. PubMed PMID: 3123978.

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