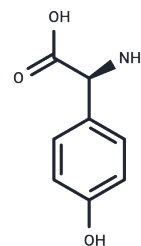


Oxfenicine

Chemical Properties

CAS No. :	32462-30-9
Formula:	C ₈ H ₉ NO ₃
Molecular Weight:	167.16
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	Oxfenicine (4-Hydroxy-L-phenylglycine) is a carnitine palmitoyltransferase-1 inhibitor. Oxfenicine improves whole-body glucose tolerance and insulin sensitivity in high-fat diet-induced obese mouse with insulin resistance.
Targets(IC50)	Apoptosis,Others,Acyltransferase

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.9823 mL	29.9115 mL	59.8229 mL
5 mM	1.1965 mL	5.9823 mL	11.9646 mL
10 mM	0.5982 mL	2.9911 mL	5.9823 mL
50 mM	0.1196 mL	0.5982 mL	1.1965 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

Keung W, et al. Inhibition of carnitine palmitoyltransferase-1 activity alleviates insulin resistance in diet-induced obese mice. *Diabetes*. 2013 Mar;62(3):711-20.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481