

Tetrandrine 2'-N- β -oxide

Chemical Properties

CAS No. :	62828-25-5
Formula:	C ₃₈ H ₄₂ N ₂ O ₇
Molecular Weight:	638.76
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	Tetrandrine 2'-N- β -oxide (Saponin YSM4) is a bis-benzylisoquinoline alkaloid with antihyperglycemic properties. At a dose of 1 mg/kg, it can reduce hyperglycemia in Streptozotocin-induced diabetic mice to about 50% of the original level. This compound is primarily studied for its potential in treating type 2 diabetes. Tetrandrine 2'-N- β -oxide can be isolated from <i>Stephania tetrandra</i> .
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5655 mL	7.8277 mL	15.6553 mL
5 mM	0.3131 mL	1.5655 mL	3.1311 mL
10 mM	0.1566 mL	0.7828 mL	1.5655 mL
50 mM	0.0313 mL	0.1566 mL	0.3131 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.

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