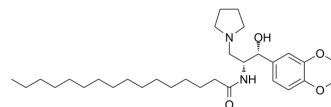


EtDO-P4

Cat. No.:	HY-50055		
CAS No.:	245329-78-6		
Molecular Formula:	C ₃₁ H ₅₂ N ₂ O ₄		
Molecular Weight:	516.76		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (193.51 mM; ultrasonic and warming and heat to 80°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.9351 mL	9.6757 mL	19.3513 mL
		5 mM	0.3870 mL	1.9351 mL	3.8703 mL
10 mM		0.1935 mL	0.9676 mL	1.9351 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (4.84 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	EtDO-P4 is a nanomolar inhibitor of glycosphingolipid (GSL) synthesis. EtDO-P4 suppresses activation of the EGFR-induced ERK pathway and various receptor tyrosine kinases (RTKs). EtDO-P4 can be used for various types of cancer, including Burkitt's lymphoma ^[1] .
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REFERENCES

[1]. Seung-Yeol Park, et al. Globoside promotes activation of ERK by interaction with the epidermal growth factor receptor. *Biochim Biophys Acta*. 2012 Jul;1820(7):1141-8.

Caution: Product has not been fully validated for medical applications. For research use only.

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