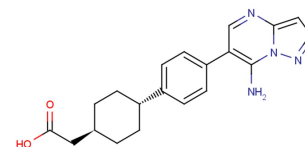


Data Sheet (Cat.No.T14085)

ABT-046

Chemical Properties

CAS No.:	1031336-60-3
Formula:	C ₂₀ H ₂₂ N ₄ O ₂
Molecular Weight:	350.41
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	ABT-046 is an acyl CoA:diacylglycerol acyltransferase 1 (DGAT-1) inhibitor (IC ₅₀ = 8 nM)[1]
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 66.67 mg/mL (190.26 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.854 mL	14.269 mL	28.538 mL
5 mM	0.571 mL	2.854 mL	5.708 mL
10 mM	0.285 mL	1.427 mL	2.854 mL
50 mM	0.057 mL	0.285 mL	0.571 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Yeh VS, et al. Identification and preliminary characterization of a potent, safe, and orally efficacious inhibitor of Acyl-CoA: Diacylglycerol acyltransferase 1. J Med Chem. 2012 Feb 23;55(4):1751-1757.

Inhibitors · Natural Compounds · Compound Libraries

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