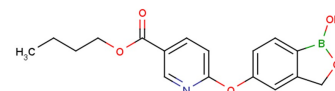


AN3199

Chemical Properties

CAS No.:	1187187-10-5
Formula:	C ₁₇ H ₁₈ BN ₂ O ₅
Molecular Weight:	327.14
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	AN3199 is a PDE4 inhibitor (IC ₅₀ : 94.5 nM).
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 100 mg/mL (305.68 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.057 mL	15.284 mL	30.568 mL
5 mM	0.611 mL	3.057 mL	6.114 mL
10 mM	0.306 mL	1.528 mL	3.057 mL
50 mM	0.061 mL	0.306 mL	0.611 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. Zhang YK, et al. Design and synthesis of boron-containing PDE4 inhibitors using soft-drug strategy for potential dermatologic anti-inflammatory application. *Bioorg Med Chem Lett*. 2010 Apr 1;20(7):2270-4.
2. Akama Tsutomu, et al. Preparation of boron-containing small molecules as anti-inflammatory agents. From *PCT Int. Appl.* (2009), WO 2009111676 A2 20090911.

Inhibitors · Natural Compounds · Compound Libraries

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