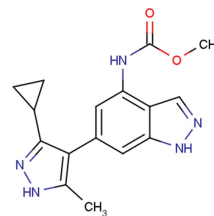


DS28120313

Chemical Properties

CAS No.:	2146177-09-3
Formula:	C ₁₆ H ₁₇ N ₅ O ₂
Molecular Weight:	311.34
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	DS28120313 is an oral inhibitor of hepcidin production (IC ₅₀ : 0.093 μ M).
Targets(IC ₅₀)	hepcidin production: 0.093 μ M
In vivo	DS28120313 (deliver orally; 30 mg/kg; 30 min before IL-6 administration) inhibits hepcidin production. It also reduces the blood hepcidin level in IL-6 induced acute inflammatory C57BL/6 mouse model.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.212 mL	16.06 mL	32.119 mL
5 mM	0.642 mL	3.212 mL	6.424 mL
10 mM	0.321 mL	1.606 mL	3.212 mL
50 mM	0.064 mL	0.321 mL	0.642 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. Fukuda T, et al. Discovery of DS28120313 as a potent orally active hepcidin production inhibitor: Design and optimization of novel 4,6-disubstituted indazole derivatives. Bioorg Med Chem Lett. 2017 Dec 1;27(23):5252-5257.

Inhibitors · Natural Compounds · Compound Libraries

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