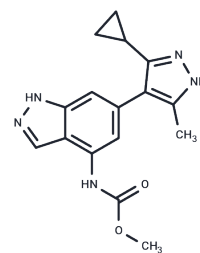


DS28120313

Chemical Properties

CAS No. : 2146177-09-3
Formula: C₁₆H₁₇N₅O₂
Molecular Weight: 311.34
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DS28120313 is an oral inhibitor of hepcidin production (IC ₅₀ : 0.093 μM).
Targets(IC ₅₀)	Others
In vivo	DS28120313, administered orally at a dose of 30 mg/kg 30 minutes prior to IL-6 administration, effectively inhibits hepcidin production and decreases the blood hepcidin level in an IL-6 induced acute inflammatory C57BL/6 mouse model.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2119 mL	16.0596 mL	32.1192 mL
5 mM	0.6424 mL	3.2119 mL	6.4238 mL
10 mM	0.3212 mL	1.606 mL	3.2119 mL
50 mM	0.0642 mL	0.3212 mL	0.6424 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.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481