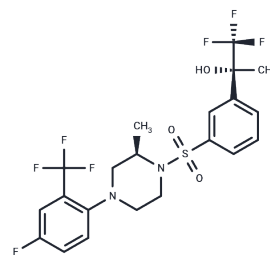


HSD-016

Chemical Properties

CAS No. : 946396-92-5
Formula: C₂₁H₂₁F₇N₂O₃S
Molecular Weight: 514.46
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	HSD-016 is an orally active, selective and potent type 1 11β-hydroxysteroid dehydrogenase (11β-HSD1) inhibitor with strong inhibitory effects on human, mouse and rat 11β-HSD1. HSD-016 can be used in the study of diabetes and metabolic syndrome.
Targets(IC ₅₀)	Dehydrogenase

Solubility Information

Solubility	DMSO: 80 mg/mL (155.50 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9438 mL	9.7189 mL	19.4379 mL
5 mM	0.3888 mL	1.9438 mL	3.8876 mL
10 mM	0.1944 mL	0.9719 mL	1.9438 mL
50 mM	0.0389 mL	0.1944 mL	0.3888 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

Wan ZK, et al. Synthesis of potent and orally efficacious 11β-hydroxysteroid dehydrogenase type 1 inhibitor HSD-016. J Org Chem. 2011 Sep 2;76(17):7048-55.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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