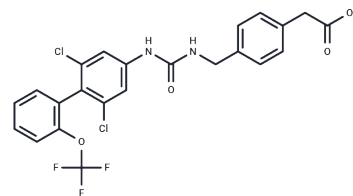


RORyt inverse agonist 13

Chemical Properties

CAS No. : 2170477-75-3
 Formula: C₂₃H₁₇Cl₂F₃N₂O₄
 Molecular Weight: 513.29
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	RORyt inverse agonist 13 (Compound 3i) is a potent, orally active and selective RORyt inverse agonist (IC ₅₀ =63.8 nM), with improved drug-like properties[1].
Targets(IC ₅₀)	ROR
In vitro	RORyt inverse agonist 13 (Compound 3i) shows an inhibition of 76% at 0.3?μM in Th17 cell differentiation assay[1].
In vivo	RORyt inverse agonist 13 (Compound 3i, 25 mg/kg, Orally, twice daily) demonstrates excellent in vivo PK profile in mice and good in vivo efficacy in an IMQ-induced psoriasis mice model[1].

Solubility Information

Solubility	DMSO: 10 mg/mL (19.48 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	1.9482 mL	9.7411 mL	19.4822 mL
5 mM	0.3896 mL	1.9482 mL	3.8964 mL
10 mM	0.1948 mL	0.9741 mL	1.9482 mL
50 mM	0.039 mL	0.1948 mL	0.3896 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.

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