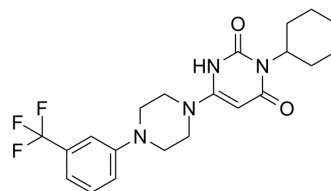


ML179

Cat. No.:	HY-110329		
CAS No.:	1883548-87-5		
Molecular Formula:	C ₂₁ H ₂₅ F ₃ N ₄ O ₂		
Molecular Weight:	422.44		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (29.59 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3672 mL	11.8360 mL	23.6720 mL
		5 mM	0.4734 mL	2.3672 mL	4.7344 mL
10 mM		0.2367 mL	1.1836 mL	2.3672 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.96 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	ML179 (SR-1309) is a inverse LRH1 (Liver receptor homologue-1) agonist with IC ₅₀ of 320 nM. ML179 shows anti-proliferation activity in MDA-MB-231 cells. ML179 has the potential for the research of ER-negative breast cancer ^[1] .
IC₅₀ & Target	LRH-1 ^[1]

REFERENCES

[1]. Busby S, et al. Discovery of Inverse Agonists for the Liver Receptor Homologue-1 (LRH1; NR5A2). 2010 Oct 12 [updated 2011 Dec 12].

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA