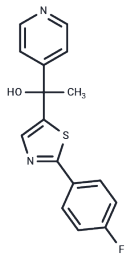
Data Sheet (Cat.No.T30161)

TargetMol

EN3356

Chemical Properties



CAS No. : 1429329-63-4

Formula: C16H13FN2OS

Molecular Weight: 300.35

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	EN3356 is an orally available and selective inhibitor of steroidal 17-alpha-hydroxylase/C17,20 cleavage enzyme (CYP17A1 or CYP17), a non-steroidal cleavage enzyme-selective compound with potential anti-androgenic and anti-tumor activity.
Targets(IC50)	Cytochromes P450
In vivo	EN3356 (50, 100, 200 mg; oral; escalating doses; once a day) was well tolerated, and drug-related AEs were CTCAE Gr 1 and 2 incl. myalgia, anorexia, flushing, hot flashes, and presyncope. Excellent systemic exposure was observed at both 50 mg and 100 mg QD regimens (Cmax, Ctrough, and AUCτ at 100 mg QD were 3.5 uM, 1.8 uM, and 52 uM.h, respectively). The Phase 1 clinical study results to date show that EN3356 is safe and well tolerated at doses of up to 100 mg daily.[1]

Solubility Information

Solubility	DMSO: 7.5 mg/mL (24.97 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3294 mL	16.6472 mL	33.2945 mL
5 mM	0.6659 mL	3.3294 mL	6.6589 mL
10 mM	0.3329 mL	1.6647 mL	3.3294 mL
50 mM	0.0666 mL	0.3329 mL	0.6659 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Rao N S, et al. ASN001, a novel CYP17 lyase inhibitor, in men with metastatic castration-resistant prostate cancer (mCRPC): Safety/tolerability and early activity in a multicenter phase 1/2 trial. 2016.

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