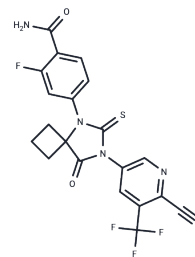


N-Desmethyl-Apalutamide

Chemical Properties

CAS No. :	1332391-11-3
Formula:	C ₂₀ H ₁₃ F ₄ N ₅ O ₂ S
Molecular Weight:	463.41
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	N-Desmethyl-Apalutamide is a less potent antagonist of the androgen receptor, is an active Apalutamide metabolite.
Targets(IC50)	Androgen Receptor,Cytochromes P450

Solubility Information

Solubility	DMSO: 50 mg/mL (107.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1579 mL	10.7896 mL	21.5792 mL
5 mM	0.4316 mL	2.1579 mL	4.3158 mL
10 mM	0.2158 mL	1.079 mL	2.1579 mL
50 mM	0.0432 mL	0.2158 mL	0.4316 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

- Pérez-Ruixo C, et al. Population Pharmacokinetics of Apalutamide and its Active Metabolite N-Desmethyl-Apalutamide in Healthy and Castration-Resistant Prostate Cancer Subjects. Clin Pharmacokinet. 2019 Aug 20.
- Smith MR, et al. Phase 2 Study of the Safety and Antitumor Activity of Apalutamide (ARN-509), a Potent Androgen Receptor Antagonist, in the High-risk Nonmetastatic Castration-resistant Prostate Cancer Cohort. Eur Urol. 2016 May 6. pii: S0302-2838(16)30133
- May MB, et al. Apalutamide: A new agent in the management of prostate cancer. J Oncol Pharm Pract. 2019 Dec;25(8):1968-1978.

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:34 Washington Street,Wellesley Hills,MA 02481