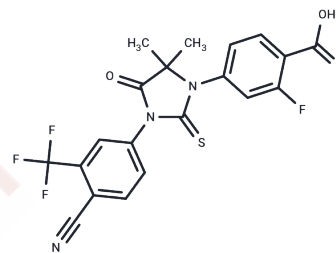


Enzalutamide carboxylic acid

Chemical Properties

CAS No. : 1242137-15-0
 Formula: C₂₀H₁₃F₄N₃O₃S
 Molecular Weight: 451.39
 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	Enzalutamide carboxylic acid is an antagonist of androgen receptor (AR) .
Targets(IC50)	Androgen Receptor,Drug Metabolite
In vivo	Enzalutamide is an oral agent for the treatment of metastatic castration-resistant prostate cancer (mCRPC);?N-desmethyl enzalutamide is its active metabolite, which has clinically relevant anti-androgen capacities similar to enzalutamide, and carboxylic acid enzalutamide is an inactive metabolite.

Solubility Information

Solubility	DMSO: 25 mg/mL (55.38 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.43 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2154 mL	11.0769 mL	22.1538 mL
5 mM	0.4431 mL	2.2154 mL	4.4308 mL
10 mM	0.2215 mL	1.1077 mL	2.2154 mL
50 mM	0.0443 mL	0.2215 mL	0.4431 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

van Nuland M, et al. Exposure-Response Assessment of Enzalutamide and Its Major Metabolites in a Real-World Cohort of Patients with Metastatic Castration-Resistant Prostate Cancer. *Pharmacotherapy*. 2019 Dec;39(12):1137-1145.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481