

Product Data Sheet

Product Name: N-desmethyl Enzalutamide (N-desmethyl MDV 3100)

Cat. No.: GC32907

Chemical Properties

Cas. No. 1242137-16-1

SMILES S=C(N1C2=CC(F)=C(C(N)=O)C=C2)N(C3=CC=C(C(C(F)(F)F)=C3)C#N)C(C(C)1C)=O

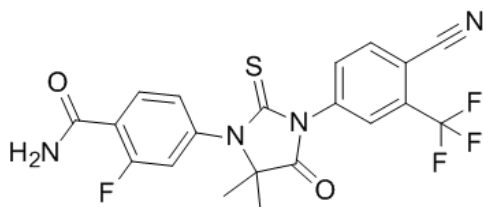
Formula $C_{20}H_{14}F_4N_4O_2S$ M.Wt 450.41

Solubility DMSO : ≥ 48 mg/mL (106.57 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

N-desmethyl Enzalutamide is the active metabolite of Enzalutamide. Enzalutamide is an androgen-receptor (AR) antagonist with IC_{50} of 36 nM in LNCaP cells.

N-desmethyl Enzalutamide is an active metabolite that is thought to contribute to the clinical effects of Enzalutamide because it demonstrates primary and secondary pharmacodynamics of similar potency to Enzalutamide and circulates at approximately the same plasma concentrations as Enzalutamide. The carboxylic acid metabolite is pharmacologically inactive and circulates at approximately 25 %

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

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lower plasma concentrations than Enzalutamide[1].

[1]. Gibbons JA, et al. Pharmacokinetic Drug Interaction Studies with Enzalutamide. Clin Pharmacokinet. 2015 Oct;54(10):1057-69.

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