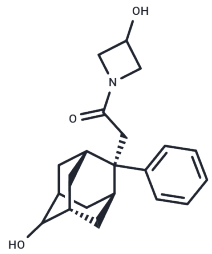
Data Sheet (Cat.No.T12663)

TargetMol

(Rac)-BMS-816336

Chemical Properties



CAS No. :

Formula: C21H27NO3

Molecular Weight: 341.44

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	(Rac)-BMS-816336 (Compound 6n), a racemate of BMS-816336, is a potent inhibitor of human and mouse 11β-hydroxysteroid dehydrogenase type 1 (11β-HSD1) with IC50 values of 10 nM and 68 nM, respectively, and demonstrates good metabolic stability [1].
Targets(IC50)	Dehydrogenase
In vivo	(Rac)-BMS-816336 (compound 6n) demonstrates high metabolic stability with retention rates of 88%, 82%, and 72% in human, mouse, and rat models, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9288 mL	14.6439 mL	29.2877 mL
5 mM	0.5858 mL	2.9288 mL	5.8575 mL
10 mM	0.2929 mL	1.4644 mL	2.9288 mL
50 mM	0.0586 mL	0.2929 mL	0.5858 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

Ye XY, et al. Discovery of Clinical Candidate 2-((2S,6S)-2-Phenyl-6-hydroxyadamantan-2-yl)-1-(3'-hydroxyazetidin-1-yl)ethanone [BMS-816336], an Orally Active Novel Selective 11β-Hydroxysteroid Dehydrogenase Type 1 Inhibitor. J Med Chem. 2017 Jun 22;60(12):4932-4948.

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