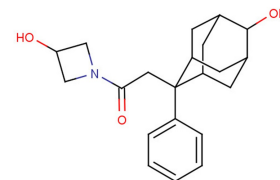


(Rac)-BMS-816336

## Chemical Properties

CAS No.:	T12663
Formula:	C <sub>21</sub> H <sub>27</sub> NO <sub>3</sub>
Molecular Weight:	341.44
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	(Rac)-BMS-816336 is a racemate of BMS-816336. (Rac)-BMS-816336 is a potent human and mouse 11 $\beta$ -hydroxysteroid dehydrogenase type 1 (11 $\beta$ -HSD1) enzyme inhibitor (IC <sub>50</sub> s of 10 nM and 68 nM, respectively).
Targets(IC <sub>50</sub> )	Human 11 $\beta$ -HSD1: 10 nM Mouse 11 $\beta$ -HSD1: 68 nM
In vivo	(Rac)-BMS-816336 has good metabolic stability, and the remaining rates in human, mouse and rats of 88%, 82% and 72%, respectively[1].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.929 mL	14.644 mL	29.288 mL
5 mM	0.586 mL	2.929 mL	5.858 mL
10 mM	0.293 mL	1.464 mL	2.929 mL
50 mM	0.059 mL	0.293 mL	0.586 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

1. 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 11 $\beta$ -Hydroxysteroid Dehydrogenase Type 1 Inhibitor. *J Med Chem.* 2017 Jun 22;60(12):4932-4948.

Inhibitors · Natural Compounds · Compound Libraries

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