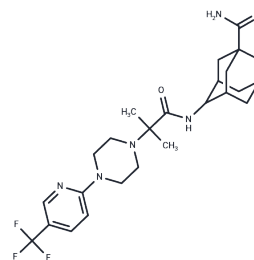


ABT-384

## Chemical Properties

CAS No. : 868623-40-9  
 Formula: C<sub>25</sub>H<sub>34</sub>F<sub>3</sub>N<sub>5</sub>O<sub>2</sub>  
 Molecular Weight: 493.58  
 Storage: Keep away from direct sunlight  
 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	ABT-384 is an inhibitor of 11 $\beta$ -hydroxysteroid dehydrogenase type 1.
Targets(IC50)	Dehydrogenase

## Solubility Information

Solubility	DMSO: 24 mg/mL (48.62 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 (4.05 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	2.026 mL	10.1301 mL	20.2601 mL
5 mM	0.4052 mL	2.026 mL	4.052 mL
10 mM	0.2026 mL	1.013 mL	2.026 mL
50 mM	0.0405 mL	0.2026 mL	0.4052 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

An G, Liu W, Dutta S. Small-molecule compounds exhibiting target-mediated drug disposition - A case example of ABT-384. *J Clin Pharmacol*. 2015 Oct;55(10):1079-85.

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Katz DA, et al. Peripheral and central nervous system inhibition of 11 $\beta$ -hydroxysteroid dehydrogenase type 1 in man by the novel inhibitor ABT-384. *Transl Psychiatry*. 2013 Aug 27;3:e295.

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