
Product Data Sheet

Product Name: ABT-384
Cat. No.: GC63673

Chemical Properties

Cas. No. 868623-40-9

Formula $C_{25}H_{34}F_3N_5O_2$

M.Wt 493.56

Solubility DMSO : 31.25 mg/mL (63.32 mM; ultrasonic and warming and heat to 60°C)

Storage 4°C, protect from light

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

ABT-384 is a potent, selective 11- β -hydroxysteroid dehydrogenase type 1 (11 β -HSD1) inhibitor. ABT-384 exhibits high affinity (K_i 0.1-2.7 nM) against rodent, monkey, and human 11 β -HSD1. ABT-384 blocks regeneration of active cortisol. ABT-384 can be used for the research of Alzheimer's disease (AD)[1][2].

[1]. Katz DA, et al. Peripheral and central nervous system inhibition of 11 β -hydroxysteroid dehydrogenase type 1 in man by the novel inhibitor ABT-384. *Transl Psychiatry*. 2013;3(8):e295. Published 2013 Aug 27.

[2]. Liu W, et al. Clinical Safety, Pharmacokinetics, and Pharmacodynamics of the 11 β -Hydroxysteroid Dehydrogenase Type 1 Inhibitor ABT-384 in Healthy Volunteers and Elderly Adults. *Clin Pharmacol Drug Dev*. 2013;2(2):133-151.

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

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