

Product Data Sheet

Product Name: AZD8329

Cat. No.: GC35449

Chemical Properties

Cas. No. 1048668-70-7

SMILES O=C(O)C1=CC=C(N2N=CC(C(NC3C(C4)CC5CC4CC3C5)=O)=C2C(C)(C)C)C=C1

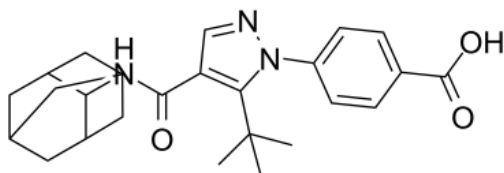
Formula C25H31N3O3 M.Wt 421.53

Solubility DMSO: 62.5 mg/mL (148.27 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

AZD8329 is a potent 11 β -Hydroxysteroid dehydrogenase type 1 (11 β -HSD1) inhibitor with an IC₅₀ of 9 nM for human 11 β -HSD1, displays excellent selectivity versus 11 β -HSD2, 17 β -HSD1 and 17 β -HSD3[1]. IC₅₀: 9 nM (Human 11 β -HSD1)[1]

AZD8329 shows IC₅₀s of 0.009, 0.0086, 0.008, 0.024, 0.002 and 6.1 μ M for human enzyme, rat enzyme, dog enzyme, cyno enzyme, human adipocyte and mouse enzyme, respectively[1].

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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[1]. Scott JS, et al. Novel acidic 11β -hydroxysteroid dehydrogenase type 1 (11β -HSD1) inhibitor with reduced acyl glucuronide liability: the discovery of 4-[4-(2-adamantylcarbamoyl)-5-tert-butyl-pyrazol-1-yl]benzoic acid (AZD8329). J Med Chem. 2012 Nov 26;55(22):10136-47.

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