SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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AZD8329

Cat. No.: HY-18173

CAS No.: 1048668-70-7

Molecular Formula: $C_{25}H_{31}N_3O_3$

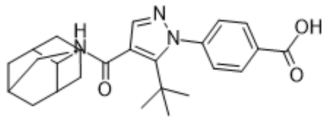
Molecular Weight: 421.53

Target: 11β-HSD

Pathway: Metabolic Enzyme/Protease

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 62.5 mg/mL (148.27 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.3723 mL	11.8616 mL	23.7231 mL
5 mM	0.4745 mL	2.3723 mL	4.7446 mL
10 mM	0.2372 mL	1.1862 mL	2.3723 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (4.93 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (4.93 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (4.93 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

AZD8329 is a potent 11β-Hydroxysteroid dehydrogenase type 1 (11β-HSD1) inhibitor with an IC_{50} of 9 nM for human 11β-HSD1, displays excellent selectivity versus 11β-HSD2, 17β-HSD1 and 17β-HSD3[1].

IC_{50} & Target

IC50: 9 nM (Human 11β-HSD1)[1]

In Vitro

AZD8329 shows IC_{50}s of 0.009, 0.0086, 0.008, 0.024, 0.002 and 6.1 μM for human enzyme, rat enzyme, dog enzyme, cyno enzyme, human adipocyte and mouse enzyme, respectively[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[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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