Glucocorticoid receptor agonist-2

Cat. No.: HY-148435

CAS No.: 2166378-92-1

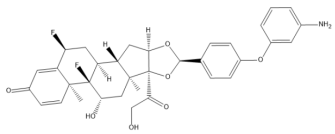
Molecular Formula: $C_{34}H_{35}F_2NO_7$

Molecular Weight: 607.64

Target: Glucocorticoid Receptor; ADC Cytotoxin

Pathway: Immunology/Inflammation; Vitamin D Related/Nuclear Receptor; Antibody-drug Conjugate/ADC Related

Storage: -20°C, protect from light
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (20.57 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.6457 mL	8.2286 mL	16.4571 mL
	5 mM	0.3291 mL	1.6457 mL	3.2914 mL
	10 mM	0.1646 mL	0.8229 mL	1.6457 mL

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

BIOLOGICAL ACTIVITY

Description

Glucocorticoid receptor agonist-2 (compound 21) is an glucocorticoid receptor agonist with an IC_{50} value of 6.6 nM. Glucocorticoid receptor agonist-2 can be used to synthesize anti-inflammatory ADC molecules. Glucocorticoid receptor agonist-2 is an active reference of ABBV-3373[1].

In Vitro

Glucocorticoid receptor agonist-2 shows glucocorticoid receptor (GR) and progersterone receptor (PR) binding activities with IC_{50} values of 6.6 and 7.3 nM, respectively[1].
Glucocorticoid receptor agonist-2 shows EC_{50} values of 0.2 and 442 nM to glucocorticoid responsive element (GRE) reporter and mineralcorticoid receptor (MR), respectively[1].
Glucocorticoid receptor agonist-2 agonists MR with an EC_{50} value of 149 nM[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mcpherson MJ, et al. Preparation of glucocorticoid receptor agonist and immunoconjugates thereof. WO2017210471. 2017.

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

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