AHR antagonist 2

Cat. No.: HY-135831

CAS No.: 2338747-54-7

Molecular Formula: $C_{20}H_{17}F_3N_4O_3$

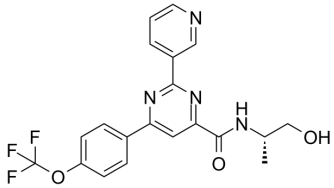
Molecular Weight: 418.37

Target: Aryl Hydrocarbon Receptor

Pathway: Immunology/Inflammation

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 : 250 mg/mL (597.56 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.3902 mL	11.9511 mL	23.9023 mL
5 mM	0.4780 mL	2.3902 mL	4.7805 mL
10 mM	0.2390 mL	1.1951 mL	2.3902 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 (4.97 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (4.97 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

AHR antagonist 2 is a potent aryl hydrocarbon receptor (AHR) antagonist, extracted from patent WO2019101641A1, compound example 1, with IC_{50}s of 0.885 and 2.03 nM for human and mouse AhR[1].

CUSTOMER VALIDATION

- Int Immunopharmacol. 2023 Jan 26;116:109758.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Julien LEFRANC, et al. 2-hetarylpyrimidine-4-carboxamides as aryl hydrocarbon receptor anatgonists. WO2019101641A1.

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