GNE-6468

Cat. No.: HY-19775

CAS No.: 1677668-27-7

Molecular Formula: $C_{23}H_{16}ClN_3O_4$

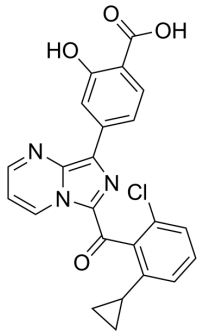
Molecular Weight: 433.84

Target: ROR

Pathway: Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor

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 : 5 mg/mL (11.52 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.3050 mL	11.5250 mL	23.0500 mL
	5 mM	0.4610 mL	2.3050 mL	4.6100 mL
	10 mM	0.2305 mL	1.1525 mL	2.3050 mL

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

BIOLOGICAL ACTIVITY

Description

GNE-6468 is a highly potent and selective RORγ (RORc) inverse agonist with an EC_{50} value of 13 nM for HEK-293 cell. GNE-6468 exhibits an EC_{50} of 30 nM for IL-17 PBMC[1].

IC_{50} & Target

ROR-γ
2 nM (EC50)

In Vivo

GNE-6468 (compound 28) displays high predicted clearance values in human and rodent hepatocytes (CL_{hep} = 17 and 42 mL/min/kg, respectively) [1].

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

REFERENCES

[1]. Fauber BP, et al. Discovery of imidazo[1,5-a]pyridines and -pyrimidines as potent and selective RORc inverse agonists. Bioorg Med Chem Lett. 2015 Aug 1;25(15):2907-

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

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