P2X7-IN-2 TFA

Cat. No.: HY-18725A

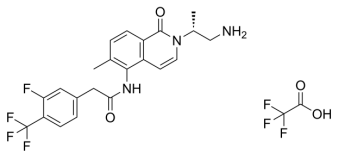
Molecular Formula: $C_{24}H_{22}F_7N_3O_4$

Molecular Weight: 549.44

Target: P2X Receptor; Interleukin Related

Pathway: Membrane Transporter/Ion Channel; Immunology/Inflammation

Storage: 4°C, protect from light, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (182.00 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.8200 mL	9.1002 mL	18.2003 mL
	5 mM	0.3640 mL	1.8200 mL	3.6401 mL
	10 mM	0.1820 mL	0.9100 mL	1.8200 mL

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

BIOLOGICAL ACTIVITY

Description

P2X7-IN-2 TFA (compound 58) is a P2X7 receptor inhibitor. P2X7-IN-2 TFA inhibits IL-Iβ release with an IC_{50} value of 0.01 nM. P2X7-IN-2 TFA can be used for the research of autoimmunity, inflammation and cardiovascular disease[1].

IC_{50} & Target

IC50: 0.01 nM (human whole blood IL-Iβ release)[1]

In Vitro

P2X7-IN-2 TFA (0-1 μM;30 min) inhibits human whole blood IL-Iβ release with an IC_{50} value of 0.01 nM[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kelly, Michael G, et al. Preparation of isoquinolonecarboxamides as P2X7 purinoceptor modulators and uses thereof. WO2008112205 A1. 2008.

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

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