S-HP210

Cat. No.: HY-146561

Molecular Formula: $C_{22}H_{19}N_3O_2S_2$

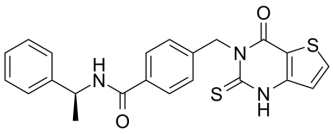
Molecular Weight: 421.54

Target: Glucocorticoid Receptor; NF-κB

Pathway: Immunology/Inflammation; Vitamin D Related/Nuclear Receptor; NF-κB

Storage:

Powder	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (593.06 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.3723 mL	11.8613 mL	23.7225 mL
5 mM	0.4745 mL	2.3723 mL	4.7445 mL
10 mM	0.2372 mL	1.1861 mL	2.3723 mL

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

BIOLOGICAL ACTIVITY

Description

S-HP210 is a potent and selective glucocorticoid receptor (GR) with an IC_{50} value of 1.92 μM for NF-κB transrepression (TR). S-HP210 represses the LPS-induced transcription of a variety of proinflammatory genes such as IL-1β, IL-6 and COX-2. S-HP210 is nontoxic at effective doses against mouse fibroblasts 3T3 cells[1].

IC_{50} & Target

IC_{50}: 1.92 μM (NF-κB TR)[1]

REFERENCES

[1]. Hu X, et al. Discovery of novel non-steroidal selective glucocorticoid receptor modulators by structure- and IGN-based virtual screening, structural optimization, and biological evaluation. Eur J Med Chem. 2022;237:114382.

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

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