R-HP210

Cat. No.: HY-146564

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

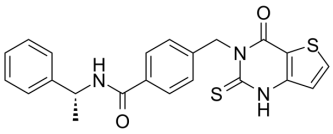
Molecular Weight: 421.54

Target: NF-κB

Pathway: 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.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (4.93 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (4.93 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

R-HP210 acts on the NF-κB mediated tethered transrepression function (IC_{50}=3.80 μM). R-HP210 represses the LPS-induced transcription of a variety of proinflammatory genes such as IL-1β, IL-6 and COX-2. R-HP210 does not induce the transactivation functions of Glucocorticoids (GCs)[1].

IC_{50} & Target

NF-κB

REFERENCES

[1]. Xueping Hu, 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 Jul 5;237:114382.

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