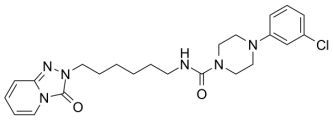
5-HT1A antagonist 1

Cat. No.:	HY-144764
Molecular Formula:	$C_{23}H_{29}ClN_6O_2$
Molecular Weight:	456.97
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	5-HT1A antagonist 1 (compound 6f) is a potent and selective antagonist of 5-HT_{1A} receptor, with a K_i of 35 nM. 5-HT1A antagonist 1 can be used for the research of CNS diseases[1].		
IC_{50} & Target	5-HT_{1A} Receptor 35 nM (Ki)	5-HT_7 Receptor 462 nM (Ki)	5-HT_{2A} Receptor 530 nM (Ki)

REFERENCES

[1]. Zaręba P, et, al. New N-aryl-N'-aryl-/(thio)ureido-/sulfamoylamino-derivatives of alkyl/alkylcarbamoyl piperazines: Effect of structural modifications on selectivity over 5-HT 1A receptor. Eur J Med Chem. 2022 May 5;235:114319. Eur J Med Chem. 2022 May 5;235:114319.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA