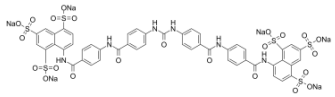
NF279

Cat. No.:	HY-D0976
CAS No.:	202983-32-2
Molecular Formula:	$C_{49}H_{30}N_6Na_6O_{23}S_6$
Molecular Weight:	1401.12
Target:	P2X Receptor; HIV
Pathway:	Membrane Transporter/Ion Channel; Anti-infection
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	NF279 is a potent selective and reversible **P2X1 receptor** antagonist, with an **IC_{50}** of 19 nM. NF279 displays good selectivity over P2X2, P2X3 (IC_{50}=1.62 μM), P2X4 (IC_{50}>300 μM). NF279 is a dual HIV-1 coreceptor inhibitor that interferes with the functional engagement of CCR5 and CXCR4 by Env[1][2].
IC_{50} & Target	HIV

REFERENCES

[1]. Rettinger J, Schmalzing G, Damer S, Müller G, Nickel P, Lambrecht G. The suramin analogue NF279 is a novel and potent antagonist selective for the P2X(1) receptor. Neuropharmacology. 2000;39(11):2044-2053.

[2]. Giroud C, et al. P2X1 Receptor Antagonists Inhibit HIV-1 Fusion by Blocking Virus-Coreceptor Interactions. J Virol. 2015;89(18):9368-9382.

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