Hello Bio, Inc.
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DATASHEET

NF 449

Product overview

Name	NF 449
Cat No	HB1961
Biological action	Antagonist
Purity	>95%
Description	Potent, selective, competitive P2X receptor antagonist

Biological Data

Biological description	Potent, selective and competitive P2X receptor antagonist. Selective for $P2X_1$ receptors (IC_{50} values are 0.3 and 0.7 nM, 0.3, 1.8, 47 and >300 µM for $P2X_1$, $P2X_{1+5}$, $P2X_{2+3}$, $P2X_3$, $P2X_2$ and $P2X_4$ receptors respectively). Also inhibits FGFR3. Shows potential anti-cancer and anti-thrombotic actions.

Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in water
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	4,4',4'',4'''-[Carbonylbis(imino-5,1,3-be nzenetriyl-*bis*(carbonylimino))]*tetrakis*-1,3-benzen edisulfonic acid, octasodium salt
Molecular Weight	1505.06
Chemical structure	
Molecular Formula	$C_{41}H_{24}N_6Na_8O_{29}S_8$
CAS Number	627034-85-9
PubChem identifier	91895233
SMILES	[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[O-]S(=O)(=O)C1=CC=C(NC(=O)C2=CC(=CC(NC(=O)NC3=CC(=CC(=C3)C(=O)NC3=CC=C(C=C3S([O-])(=O)=O)S([O-])(=O)=O)C(=O)NC3=CC=C(C=C3S([O-])(=O)=O)S([O-])(=O)=O)=C2)C(=O)NC2=CC=C(C=C2S([O-])(=O)=O)S([O-])(=O)=O)C(=C1)S([O-])(=O)=O
InChiKey	PHCBPKWKKHYRSA-UHFFFAOYSA-F