



SUN11602

Cat. No.:	OB0225WX-2253
Appearance:	Solid
Purity:	≥98%
Identity:	Confirmed by NMR, and LC-MS.
Size:	5 mg; 10 mg; 25 mg; 50 mg; 100 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	SUN11602 is an aniline-based small molecule that functions as a basic fibroblast growth factor (bFGF) mimetic, triggering the phosphorylation of FGFR and ERK1/2 to prevent neuronal death.
Synonym	SUN 11602; 704869-38-5; 4-((4-(2-((4-amino-2,3,5,6-tetramethylphenyl)amino)-N-methylacetamido)piperidin-1-yl)methyl)benzamide; SUN-11602; 4-[(4-{2-[(4-amino-2,3,5,6-tetramethylphenyl)amino]-N-methylacetamido}piperidin-1-yl)methyl]benzamide; 4-({4-[(4-amino-2,3,5,6-tetramethylanilino)acetyl](methyl)amino}-1-piperidinyl)methyl)benzamide; 4-[[4-[[2-(4-amino-2,3,5,6-tetramethylanilino)acetyl]-methylamino]piperidin-1-yl]methyl]benzamide
CAS No.	704869-38-5
Compound CID	22245705
Formula	C ₂₆ H ₃₇ N ₅ O ₂
Formula Weight	451.6

Specification

Relative Density	1.19 g/cm ³
IUPAC Name	4-[[4-[[2-(4-Amino-2,3,5,6-tetramethylanilino)acetyl]-methylamino]piperidin-1-yl]methyl]benzamide
InChI	InChI=1S/C26H37N5O2/c1-16-18(3)25(19(4)17(2)24(16)27)29-14-23(32)30(5)22-10-12-31(13-11-22)15-20-6-8-21(9-7-20)26(28)33/h6-9,22,29H,10-15,27H2,1-5H3,(H2,28,33)



InChI Key	KCODNOOPTZMO-UHFFFAOYSA-N
SMILES string	<chem>CC1=C(C(=C(C(=C1N)C)C)NCC(=O)N(C)C2CCN(CC2)CC3=CC=C(C=C3)C(=O)N)C</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	SUN11602 is employed in neurodegenerative research as a specialized small molecule to study its ability to mimic the activity of basic fibroblast growth factor (bFGF) and promote neuronal survival.

Library Information

Target	FGFR; ERK
Receptor	ERK1; ERK2; FGFR
Pathways	Tyrosine kinase/adaptors; MAPK; Angiogenesis
Plate Number	AOCL-29
Plate Location	g10
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	40 mg/mL; 88.57 mM
Ethanol Max Solubility	9 mg/mL; 20 mM