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DATASHEET

TC-N 1752

Product overview

Name	TC-N 1752
Cat No	HB1033
Alternative names	Compound 52
Biological action	Inhibitor
Purity	>99%
Description	Potent, selective Na _v 1.7 inhibitor

Images



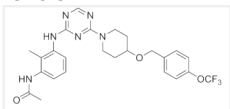
Biological Data

Biological description	Potent and selective Na _v 1.7 channel inhibitor (IC ₅₀ = 0.17 μM). Shows antinociceptive actions.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (100mM) or HCl (10mM, 1eq HCl)
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	<i>N</i> -[2-Methyl-3-[[4-[4-[(trifluoro methoxy)phenyl]methoxy]-1-piperidinyl]-1,3,5-triazin-2-yl]amino]phenyl]acetamide
Molecular Weight	516.52
Chemical structure	
Molecular Formula	C ₂₅ H ₂₇ F ₃ N ₆ O ₃
CAS Number	1211866-85-1
PubChem identifier	53361524
SMILES	CC(C(=O)Nc1ccc(Nc2nc3c(ncn3C4CCOC5=CC=C(OC(F)(F)F)C=C5)C=C4)cc1)C
InChIKey	QLKAFHJICDACE-UHFFFAOYSA-N

Chemical name

N-[2-Methyl-3-[[4-[4-[[4-(trifluoro methoxy)phenyl]methoxy]-1-piperidinyl]-1,3,5-triazin-2-yl]amino]phenyl]acetamide

References

Identification of a potent, state-dependent inhibitor of Nav1.7 with oral efficacy in the formalin model of persistent pain.

Bregman H *et al* (2011) J Med Chem 54(13)

PubMedID

[21634377](#)
