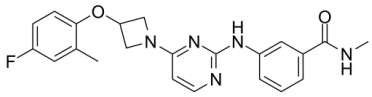
Data Sheet

Product Name:	Nav1.7-IN-2
Cat. No.:	CS-5221
CAS No.:	1332295-35-8
Molecular Formula:	C22H22FN5O2
Molecular Weight:	407.44
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

Nav1.7-IN-2 is an inhibitor of voltage-gated sodium channels (Nav), in particular Nav 1.7, with IC50 of 80 nM. IC50 value: 80 nM Target: Nav 1.7 Nav1.7-IN-2 is useful for the treatment of diseases treatable by inhibition of these channels, in particular, chronic pain disorder. The more detailed information please refer to WO 2011103196 A1. Nav1.7-IN-2 is a Nav1.7 channel inhibitor extracted from patent WO/2011103196 A1, compound example J, has an IC50 of 80 nM.

PROTOCOL (Extracted from published papers and Only for reference)

Animal administration [1] The Naive male Sprague Dawley rats (weighing between 260-300 g at the start of testing) are pretreated with the appropriate Nav1.7-IN-2 either by oral gavage or intraperitoneal injection at the desired pretreatment time.

References:

[1]. Bregman Howard, et al. Preparation of aryl carboxamide derivatives as sodium channel inhibitors for treatment of pain. From PCT Int. Appl. (2011), WO 2011103196 A1 20110825.

CAIndexNames:

Benzamide, 3-[[4-[3-(4-fluoro-2-methylphenoxy)-1-azetidinyl]-2-pyrimidinyl]amino]-N-methyl-

SMILES:

C(NC)(=O)C1=CC=CC(NC2=NC=CC(N3CC(OC4=CC=C(F)C=C4C)C3)=N2)=C1

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA