Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com

DATASHEET

BMS 191011

Product overview

Name	BMS 191011
Cat No	HB1043
Biological action	Activator
Purity	>95%
Description	Potent $K_{Ca}1.1$ channel activator

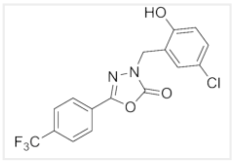
Biological Data

Biological description	Potent $K_{Ca}1.1$ channel activator. Displays vasodilation and neuroprotective properties. Blood brain barrier permeable.

Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (100mM) or ethanol (15mM)
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	3-[(5-Chloro-2-hydroxyphenyl)methyl]-5-[4-(trifluoromethyl)phenyl]-1,3,4-oxadiazol-2(3*H*)-one
Molecular Weight	370.71
Chemical structure	
Molecular Formula	$C_{16}H_{10}ClF_3N_2O_3$
CAS Number	202821-81-6
PubChem identifier	10474339
SMILES	OC1=CC=C(Cl)C=C1CN1N=C(OC1=O)C1=CC=C(C=C1)C(F)(F)F
InChi	InChI=1S/C16H10ClF3N2O3/c17-12-5-6-13(23)10(7-12)8-22-15(24)25-14(21-22)9-1-3-11(4-2-9)16(18,19)20/h1-7,23H,8H2
InChiKey	QKOWACXSXTXRKA-UHFFFAOYSA-N
MDL number	MFCD09753285

References

BMS-191011, an opener of large-conductance Ca2+-activated potassium channels, dilates rat retinal arterioles in vivo.

Mori A *et al* (2011) Biol Pharm Bull 34(1)
PubMedID 21212534

3-[(5-Chloro-2-hydroxyphenyl)methyl]-5-[4-(trifluoromethyl)phenyl]-1,3,4-oxadiazol-2(3H)-one, BMS-191011: opener of large-

conductance Ca(2+)-activated potassium (maxi-K) channels, identification, solubility, and SAR.

Romine JL *et al* (2007) J Med Chem 50(3)
PubMedID 17266205

Synthesis of water-soluble prodrugs of BMS-191011: a maxi-K channel opener targeted for post-stroke neuroprotection.

Hewawasam P *et al* (2003) Bioorg Med Chem Lett 13(10)
PubMedID 12729644