CD BioGlyco
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Product Information

SphK inhibitor K145 hydrochloride, Purity ≥98%

Cat. No.: X24-06-ZQ816

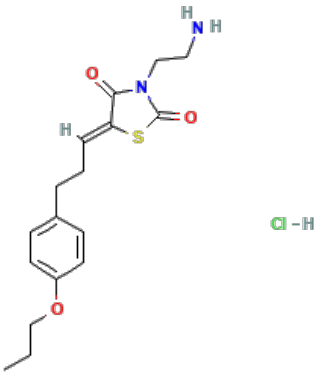
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1449240-68-9

Compound CID: 76849910

Synonym: 1449240-68-9; SphK inhibitor; SphK2 inhibitor; K 145 hydrochloride; K-145 hydrochloride

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



Product Information

Description	K145 hydrochloride targets and inhibits the activity of sphingosine kinase enzymes, which play a crucial role in the sphingolipid metabolic pathway.
Molecular Weight	384.92
Molecular Formula	$C_{18}H_{25}ClN_2O_3S$
IUPAC Name	(5*Z*)-3-(2-aminoethyl)-5-[3-(4-butoxyphenyl)propylidene]-1,3-thiazolidine-2,4-dione;hydrochloride
InChI	InChI=1S/C18H24N2O3S.ClH/c1-2-3-13-23-15-9-7-14(8-10-15)5-4-6-16-17(21)20(12-11-19)18(22)24-16;/h6-10H,2-5,11-13,19H2,1H3;1H/b16-6-;
InChI Key	HADFDMGQKBGVAV-NKBLJONXSA-N
Canonical SMILES	CCCCOC1=CC=C(C=C1)CCC=C2C(=O)N(C(=O)S2)CCN.Cl
Isomeric SMILES	CCCCOC1=CC=C(C=C1)CC/C=C\2/C(=O)N(C(=O)S2)CCN.Cl
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	K145 hydrochloride is used for studying the inhibition of SphK, a sphingosine kinase implicated in diverse cellular processes including inflammation and cancer.
Storage	Store at -20ºC, and keep desiccated.