

Product Information

CaMKII-IN-1

Cat. No.: X23-12-YM368

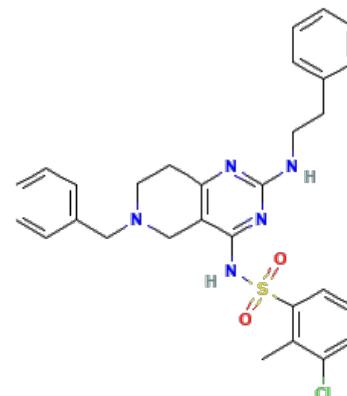
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1208123-85-6

PubChem CID: 50898538

Synonym: 1208123-85-6; *N*-[6-Benzyl-2-(2-phenylethylamino)-7, 8-dihydro-5*H*-pyrido[4, 3-*d*]pyrimidin-4-yl]-3-chloro-2-methylbenzenesulfonamide

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



Product Information

Description	CaMKII-IN-1 interferes with or suppresses the transmission of signals between neurons in the nervous system.
Molecular Weight	548.1
Molecular Formula	C ₂₉ H ₃₀ ClN ₅ O ₂ S
IUPAC Name	<i>N</i> -[6-Benzyl-2-(2-phenylethylamino)-7, 8-dihydro-5 <i>H</i> -pyrido[4, 3- <i>d</i>]pyrimidin-4-yl]-3-chloro-2-methylbenzenesulfonamide
InChI	InChI=1S/C29H30ClN5O2S/c1-21-25(30)13-8-14-27(21)38(36, 37)34-28-24-20-35(19-23-11-6-3-7-12-23)18-16-26(24)32-29(33-28)31-17-15-22-9-4-2-5-10-22/h2-14H, 15-20H2, 1H3, (H2, 31, 32, 33, 34)
InChI Key	LGUUEQDTMQTHML-UHFFFAOYSA-N
Canonical SMILES	CC1=C(C=CC=C1Cl)S(=O)(=O)NC2=NC(=NC3=C2CN(CC3)CC4=CC=CC=C4)NCCC5=CC=CC=C5
Form	Lyophilized powder
Purity	>98%
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	CaMKII-IN-1 can be studied as a starting point for the development of novel therapeutics targeting neurological and psychiatric disorders associated with aberrant CaMKII signaling.
Storage	Store at -20°C, and keep desiccated.