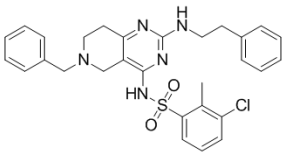


Product Name	: CaMKII-IN-1	
Synonyms	: CaMKII-IN-1; CaMKII; CaMKII IN-1; CaMKII IN 1	
Cat No.	: M10773	
CAS Number	: 1208123-85-6	
Molecular Formula	: C ₂₉ H ₃₀ ClN ₅ O ₂ S	
Formula Weight	: 548.10	
Chemical Name	Benzenesulfonamide, 3-chloro-2-methyl-N-[5,6,7,8-tetrahydro-2-[(2-phenylethyl)amino]-6-(phenylmethyl)pyrido[4,3-d]pyrimidin-4-yl]-	
Description	A potent and highly selective CaMKII inhibitor with IC ₅₀ of 63 nM; no inhibitory effect for CaMKIV, MLCK, p38α, Akt1, PKC etc; shows 25-fold higher potency than KN-93.	
Pathway	Endocrinology/Hormones	
Target	CaMK	
Receptor	CaMK	
Solubility	DMSO: ≥ 54 mg/mL	
SMILES	<chem>O=S(C1=CC=CC(Cl)=C1C)(NC2=C(CN(CC3=CC=CC=C3)CC4)C4=NC(NCCC5=CC=CC=C5)=N2)=O</chem>	
Storage	(-20°C)	
Stability	≥ 2 years	
Reference		

1. Asano S, et al. Bioorg Med Chem Lett. 2010 Nov 15;20(22):6696-8.