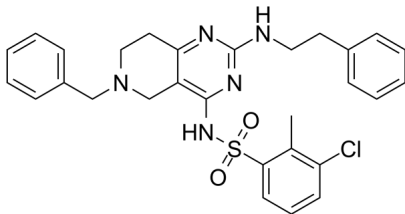


Data Sheet

Product Information

Catalog Number	BP12386
Product Name	CaMKII-IN-1
Description	CaMKII-IN-1 is a potent and highly selective inhibitor of CaMKII (IC ₅₀ = 63 nM). CaMKII-IN-1 exhibited more than 100-fold higher selectivity for CaMKII over CaMKIV, MLCK, p38a, Akt1, and PKC.
Targets&IC ₅₀	CaMKII:63 nM
CAS No.	1208123-85-6
Chemical Formula	C ₂₉ H ₃₀ ClN ₅ O ₂ S
Molecular Weight	548.1
Solubility	DMSO: 54 mg/mL (98.52 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 The chemical structure of CaMKII-IN-1 is a complex molecule. It features a central pyrimidine ring system. One side of the pyrimidine is substituted with a 4-phenylpiperidine group. The other side is substituted with a 2-((2-chlorophenyl)sulfonyl)amino group. A 2-phenylethylamino group is attached to the pyrimidine ring at the 4-position.

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