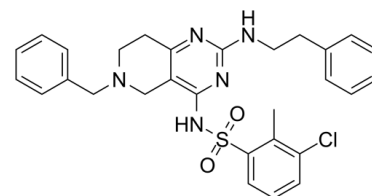


Data Sheet

Product Name:	CaMKII-IN-1
Cat. No.:	CS-3440
CAS No.:	1208123-85-6
Molecular Formula:	C ₂₉ H ₃₀ ClN ₅ O ₂ S
Molecular Weight:	548.10
Target:	Autophagy; CaMK
Pathway:	Autophagy; Neuronal Signaling
Solubility:	DMSO : ≥ 54 mg/mL (98.52 mM)



BIOLOGICAL ACTIVITY:

CaMKII-IN-1 is a potent and highly selective CaMKII inhibitor with IC₅₀ of 63 nM; significantly high selectivity against CaMKIV, MLCK, p38a, Akt1, and PKC. IC₅₀ value: 63 nM Target: CaMKII

References:

[1]. Asano S, et al. 5,6,7,8-Tetrahydropyrido[4,3-d]pyrimidines as novel class of potent and highly selective CaMKII inhibitors. Bioorg Med Chem Lett. 2010 Nov 15;20(22):6696-8.

CAIndexNames:

Benzenesulfonamide, 3-chloro-2-methyl-N-[5,6,7,8-tetrahydro-2-[(2-phenylethyl)amino]-6-(phenylmethyl)pyrido[4,3-d]pyrimidin-4-yl]-

SMILES:

O=S(C1=CC=CC(Cl)=C1C)(NC2=C(CN(CC3=CC=CC=C3)CC4)C4=NC(NCCC5=CC=CC=C5)=N2)=O

Caution: Product has not been fully validated for medical applications. For research use only.

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