Purdue Bioscience

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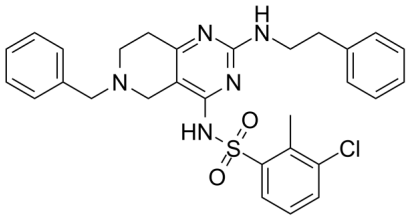
Certificate of Analysis

Catalog Number	BP12386
Product Name	CaMKII-IN-1

Physical and Chemical Properties

CAS No.	1208123-85-6
Chemical Formula	C29H30ClN5O2S
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	

Product Information

Description	CaMKII-IN-1 is a potent and highly selective inhibitor of CaMKII (IC50 = 63 nM). CaMKII-IN-1 exhibited more than 100-fold higher selectivity for CaMKII over CaMKIV, MLCK, p38a, Akt1, and PKC.

Targets&IC50	CaMKII:63 nM

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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