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DATASHEET

CMIQ

Product overview

Name	CMIQ
Cat No	HB0077
Biological action	Inhibitor
Purity	>95%
Description	Potent, selective PKA inhibitor

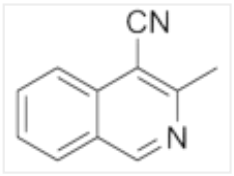
Biological Data

Biological description	Potent and selective protein kinase A (PKA) inhibitor (IC_{50} = 30 nM). Membrane permeable. Blocks ATP-binding site of PKA. Restores morphine-related behaviours in morphine tolerance.

Solubility & Handling

Storage instructions	+4°C
Solubility overview	Soluble in DMSO (50mg/ml)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	PKA Inhibitor XI
Molecular Weight	168.2
Chemical structure	
Molecular Formula	$C_{11}H_8N_2$
CAS Number	161468-32-2

References

PKC and PKA inhibitors reinstate morphine-induced behaviors in morphine tolerant mice.

Smith FL *et al* (2006) Pharmacol Res 54(6)
PubMedID 17056270

Selective inhibition of cyclic AMP-dependent protein kinase by isoquinoline derivatives.

Lu ZX *et al* (1996) Biol Chem Hoppe Seyler 377(6)
PubMedID 8839983

Epac mediates a cAMP-to-PKC signaling in inflammatory pain: an isolectin B4(+) neuron-specific mechanism.

Hucho TB *et al* (2005) J Neurosci 25(26)
PubMedID 15987941