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DATASHEET

PKA Inhibitor IV

Product overview

Name	PKA Inhibitor IV
Cat No	HB0509
Alternative names	PKI (5-24)
Biological action	Inhibitor
Description	Potent, selective PKA inhibitor

Biological Data

Biological description	Potent and selective protein kinase A (PKA) inhibitor ($K_i = 2.8$ nM).
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Solubility & Handling

Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.
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Chemical Data

Chemical name	L-threonyl-L-threonyl-L-tyrosyl-L-alanyl-L-a-aspartyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-serylglycyl-L-arginyl-L-threonylglycyl-larginyl-L-aspartic acid
Molecular Weight	2222.4
Chemical structure	
Molecular Formula	$C_{18}H_{24}N_4O_3S \cdot 2HCl$
CAS Number	99534-03-9
PubChem identifier	0
SMILES	<chem>CC[C@H](C)[C@H](NC(=O)[C@H](C)NC(=O)[C@H](CC(N)=O)NC(=O)[C@H](CCCNC(N)=N)NC(=O)[C@H](CCCNC(N)=N)NC(=O)CNC(=O)[C@@H](NC(=O)[C@H](CCCNC(N)=N)NC(=O)CNC(=O)[C@H](CO)NC(=O)[C@H](C)NC(=O)[C@@H](NC(=O)[C@H](Cc1ccccc1)NC(=O)[C@H](CC(O)=O)NC(=O)[C@H](C)NC(=O)[C@H](Cc2ccc(O)cc2)NC(=O)[C@@H](NC(=O)[C@@H](N)C(C)O)C(C)O)[C@@H](C)CC)C(C)O)C(=O)N[C@@H](Cc3[nH]cnc3)C(=O)N[C@@H](CC(O)=O)C(O)=O</chem>

References

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Ribosomal protein S6 phosphorylation and function during late gestation liver development in the rat.

Boylan JM *et al* (2001) *J Biol Chem* 276(48)

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