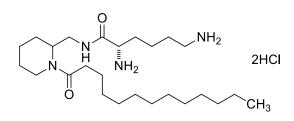


Catalog # 10-1387 NPC-15437

CAS# 141774-20-1 (S)-2,6-Diamino-N-[(1-(1-oxotridecyl)-2-piperidinyl)methyl]hexanamide dihydrochloride hydrate Lot # X104705



Potent and selective inhibitor of protein kinase C which binds to the regulatory domain ($IC_{50}=19 \ \mu M$).^{1,2} It specifically interacts with the C1 domain of PKC.³ Important tool for assessing the role of PKC in various signaling pathways.⁴ Cell permeable. Active *in vivo*.⁴

- 1) Sullivan et al. (1992), 2,6-Diamino-N-([1-(1-oxotridecyl)-2-piperidinyl]methyl)hexanamide (NPC 15437): a novel inhibitor of protein kinase C interacting at the regulatory domain; Mol. Pharmacol., **41** 38
- 2) Sullivan et al. (1991), 2,6-Diamino-N-([1-oxotridecyl)-2-piperidinyl]methyl)hexanamide (NPC 15437): a selective inhibitor of protein kinase C; Agents Actions **34** 142
- 3) Sullivan et al. (1991), NPC 15437 interacts with the C1 domain of protein kinase C. An analysis using mutant PKC constructs; FEBS Lett., **285** 120
- 4) Miyoshi et al. (2007), mGlu5 receptor and protein kinase C implicated in the development and induction of neuropathic pain nnfollowing chronic ethanol consumption; Eur. J. Pharmacol., **562** 208

PHYSICAL DATA

Molecular Weight:	511.63
Molecular Formula:	C ₂₅ H ₅₀ N ₄ O ₂ · 2HCI
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Water (up to 10 mg/ml)
Physical Description:	Lyophilized solid, compound is highly hygroscopic.
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in
	distilled water may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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