

Product datasheet

LY-333531 hydrochloride, protein kinase Cβ inhibitor
ab219866

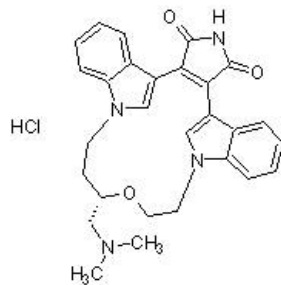
Overview

Product name	LY-333531 hydrochloride, protein kinase Cβ inhibitor
Description	Potent, isozyme-selective protein kinase Cβ (PKCβ) inhibitor
Biological description	Potent, isozyme-selective inhibitor of protein kinase Cβ (PKCβ). Competitively inhibits PKCβI and PKCβII (IC ₅₀ values are 4.7 and 5.9 nM respectively). 76- and 61-fold selective for inhibition of PKCβI and PKCβII in comparison to PKCα, respectively. Exhibits selectivity for PKC over other ATP-dependent kinases, including protein kinase A, casein kinase and src).

Purity > 98%

CAS Number 169939-93-9

Chemical structure



Properties

Chemical name	(9S)-9-[(Dimethylamino)methyl]-6,7,10,11-tetrahydro-9H,18H-5,21:12,17-dimethenodibenzo[e,k]pyrrolo[3,4-h][1,4,13]oxadiazacyclohexadecine-18,20(19H)-dione hydrochloride
Molecular weight	505.01
Molecular formula	C ₂₈ H ₂₈ N ₄ O ₃ .HCl
PubChem identifier	9870785
Storage instructions	Shipped at 4°C. Store at -20°C. Store under desiccating conditions.
Solubility overview	Soluble in DMSO to 20 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and

prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

CN(C)C[C@@H]1CCN2C=C(C3=CC=CC=C32)C4=C(C5=CN(CCO1)C6=CC=CC=C65)C(=O)NC4=O.Cl

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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