

Product Datasheet

Vardenafil hydrochloride trihydrate (orb1303165)

Catalog Number	orb1303165
Category	Small Molecules
Description	Vardenafil hydrochloride trihydrate (BAY38-9456) is a selective PDE5 inhibitor with an IC50 of 0.7 nM, showing high selectivity over PDE1 (IC50=180 nM). It is widely used in biochemical research to study erectile dysfunction mechanisms and for in vitro phosphodiesterase activity assays.
Target	Endogenous Metabolite,PDE
Purity	99.66% (May vary between batches)
MW	579.11
Target Areas	Endogenous Metabolite PDE
Solubility (25°C)	Ethanol:16 mg/mL (27.63 mM);H2O:10 mg/mL (17.27 mM);DMSO:93 mg/mL (160.59 mM);10% DMSO+40% PEG300+5% Tween-80+45% Saline:3.3 mg/mL (5.7 mM)
CAS Number	330808-88-3
Formula	$C_{23}H_{32}N_6O_4S \cdot HCl \cdot 3H_2O$
SMILES	<chem>O.O.O.Cl.CCCc1nc(C)c2n1nc([nH]c2=O)-c1cc(ccc1OCC)S(=O)(=O)N1CCN(CC)CC1</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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