

Product Datasheet

Vardenafil (orb1710756)

Catalog Number	orb1710756
Category	Small Molecules
Description	Vardenafil (Vivanza) is a selective PDE5 inhibitor used for erectile dysfunction research. By blocking cGMP degradation, it enhances the nitric oxide-mediated signaling pathway crucial for penile smooth muscle relaxation. This mechanism is studied in both in vitro enzymatic assays and in vivo models of erectile function.
Target	Endogenous Metabolite,PDE
Purity	99.64% (May vary between batches)
MW	488.60
Target Areas	PDE Endogenous Metabolite
Solubility (25°C)	DMSO:45 mg/mL (92.1 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (4.09 mM)
CAS Number	224785-90-4
Formula	C ₂₃ H ₃₂ N ₆ O ₄ S
SMILES	<chem>C(CC)C=1N2C(C(=O)N=C(N2)C3=C(OCC)C=CC(S(=O)(=O)N4CCN(CC)CC4)=C3)=C(C)N1</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558