

Product Datasheet

Silmitasertib (orb1305875)

Catalog Number	orb1305875
Category	Small Molecules
Description	Silmitasertib (CX-4945) is a highly potent and orally bioavailable small molecule inhibitor of casein kinase 2 (CK2), demonstrating a Ki of 0.38 nM. It is widely used in cancer research, showing antitumor activity in both cellular assays and in vivo models across various cancer types.
Target	Casein Kinase, Autophagy
Purity	99.90% (May vary between batches)
MW	349.77
Target Areas	Casein Kinase Autophagy
Solubility (25°C)	H2O: 1 mg/mL (insoluble or slightly soluble); DMSO: 17 mg/mL (48.6 mM); Ethanol: 1 mg/mL (insoluble or slightly soluble)
CAS Number	1009820-21-6
Formula	C ₁₉ H ₁₂ ClN ₃ O ₂
SMILES	OC(=O)c1ccc2c(c1)nc(Nc1cccc(Cl)c1)c1ccncc21
Storage	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
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
United States

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