

Product Datasheet

4EGI-1 (orb1305195)

Catalog Number	orb1305195
Category	Small Molecules
Description	4EGI-1 is a small molecule inhibitor that competitively disrupts the eIF4E/eIF4G interaction with a binding affinity (K _D) of 25 μM. It serves as a valuable research tool for studying cap-dependent translation initiation in cancer biology and has been utilized in both cellular and in vitro assays to investigate oncogenic protein synthesis.
Target	Apoptosis, Autophagy, PERK
Purity	99.12%
MW	451.28
Target Areas	Apoptosis PERK Autophagy
Solubility (25°C)	DMSO:100 mg/mL (221.59 mM)
CAS Number	315706-13-9
Formula	C ₁₈ H ₁₂ Cl ₂ N ₄ O ₄ S
SMILES	OC(=O)C(\Cc1cccc1[N+](O)=O)=N\Nc1nc(cs1)-c1ccc(Cl)c(Cl)c1
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