

Product Datasheet

Exo2 (orb1688772)

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| Catalog Number | orb1688772 |
| Category | Small Molecules |
| Description | Exo2 is a cell-specific small molecule inhibitor that disrupts trans-Golgi network (TGN) integrity and blocks retrograde trafficking of toxins like Shiga toxin to the ER. It is a valuable chemical tool for studying intracellular membrane transport pathways in both live-cell and biochemical assays. |
| Target | ER/Golgi |
| Form/Appearance | powder |
| Purity | >98% |
| MW | 354.43 |
| Biological Activity | GBF1 inhibitor; Induces Golgi disassembly |
| Solubility (25°C) | Soluble in DMSO (up to 25 mg/ml) |
| CAS Number | 304684-77-3 |
| Formula | $C_{18}H_{18}N_4O_2S$ |
| SMILES | <chem>OC1=CC=C(C=NNC=2N=CN=C3SC4=C(C32)CCCC4)C=C1OC</chem> |
| Chemical Name | 2-Methoxy-4-[(5,6,7,8-tetrahydrobenzo[4,5]thieno[2,3-d]pyrimidin-4-yl)-hydrazonomethyl]-phenol |
| 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