

Product Data Sheet

Product Name: BRCA1-IN-2

Cat. No.: GC35550

Chemical Properties

Cas. No. 1622262-55-8

SMILES O=C(N[C@@H](COP(O)(O)=O)C(NCC(NCCCCC1=CC=CC=C1)=O)=O)CCC2=CNC3=C2C=CC=C3

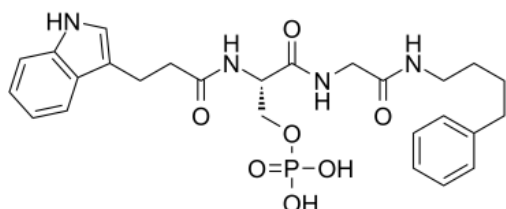
Formula $C_{26}H_{33}N_4O_7P$ M.Wt 544.54

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

BRCA1-IN-2 (compound 15) is a cell-permeable protein-protein interaction (PPI) inhibitor for BRCA1 with an IC₅₀ of 0.31 μM and a K_d of 0.3 μM, which shows antitumor activities via the disruption of BRCA1 (BRCT)2/protein interactions[1]. IC₅₀: 0.31 μM (BRCA1)[1] K_d: 0.3 μM (BRCA1)[1]

[1]. Na Z, et al. Protein-Protein Interaction Inhibitors of BRCA1 Discovered Using Small Molecule Microarrays. Methods Mol Biol. 2017;1518:139-156.

Caution: Product has not been fully validated for medical applications. For research use only.

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