

BRC4wt TFA

Chemical Properties

CAS No. :

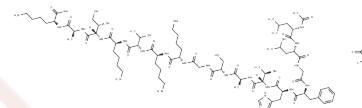
Formula: C81H139N23O19.XCF3COOH

Molecular Weight: 1739.11

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|-------------|---|
| Description | BRC4wt, an acetylated peptide originating from the BRC4 repeat within human BRCA2 (1521-1536), acts as an inhibitor of the BRCA2 and RAD51 protein-protein interaction. When linked to the cationic cell-penetrating peptide (Arg)9, it effectively shortens DNA replication tract lengths and diminishes the frequency of homologous repair of camptothecin-induced DNA damage in vitro. Additionally, BRC4wt enhances the efficacy of the poly(ADP-ribose) polymerase (PARP) inhibitor olaparib in inducing cell death in HeLa human cervical cancer and U2OS human osteosarcoma cells, albeit it does not affect non-cancerous hTERT RPE-1, MRC-5, or MCF-10A cells. |
|-------------|---|

Solubility Information

| | |
|------------|---|
| Solubility | H2O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.575 mL | 2.875 mL | 5.7501 mL |
| 5 mM | 0.115 mL | 0.575 mL | 1.150 mL |
| 10 mM | 0.0575 mL | 0.2875 mL | 0.575 mL |
| 50 mM | 0.0115 mL | 0.0575 mL | 0.115 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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