

Fmoc-Val-Cit-PAB-Exatecan

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 2754384-69-3 |
| Formula: | C ₅₈ H ₅₉ FN ₈ O ₁₁ |
| Molecular Weight: | 1063.15 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |

Biological Description

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|----------------------------|--|
| Description | Fmoc-Val-Cit-PAB-Exatecan is a prodrug form of Exatecan. Exatecan (DX-8951) acts as an inhibitor of DNA topoisomerase I (topoisomerase I) with an IC ₅₀ value of 2.2 μM (0.975 μg/mL) and is utilized in cancer research. |
| Targets(IC ₅₀) | Topoisomerase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.9406 mL | 4.703 mL | 9.406 mL |
| 5 mM | 0.1881 mL | 0.9406 mL | 1.8812 mL |
| 10 mM | 0.0941 mL | 0.4703 mL | 0.9406 mL |
| 50 mM | 0.0188 mL | 0.0941 mL | 0.1881 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

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