

FD 12-9

## Chemical Properties

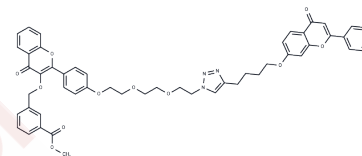
CAS No. : 1451741-22-2

Formula: C<sub>51</sub>H<sub>47</sub>N<sub>3</sub>O<sub>11</sub>

Molecular Weight: 877.93

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                | FD 12-9, Anti-glioblastoma activity. is a flavonoid dimer, acts as a dual inhibitor of P-gp and BCRP, with EC <sub>50</sub> s of 285 nM and 0.9 nM, respectively. |
| Targets(IC <sub>50</sub> ) | Others,BCRP,P-gp  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.139 mL  | 5.6952 mL | 11.3904 mL |
| 5 mM  | 0.2278 mL | 1.139 mL  | 2.2781 mL  |
| 10 mM | 0.1139 mL | 0.5695 mL | 1.139 mL   |
| 50 mM | 0.0228 mL | 0.1139 mL | 0.2278 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.

## Reference

Hu Xuesen, et al. Developing a novel strategy to treat glioblastoma : improving brain bioavailability of sorafenib with a synthetic flavonoid dimer to inhibit drug efflux in blood brain barrier.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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