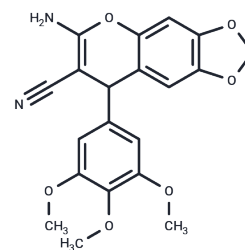


Antiproliferative agent-13

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 663214-48-0 |
| Formula: | C ₂₀ H ₁₈ N ₂ O ₆ |
| Molecular Weight: | 382.37 |
| 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

| | |
|---------------|--|
| Description | Antiproliferative agent-13 is a compound with antiproliferative activity. |
| Targets(IC50) | Others,Dehydrogenase |
| In vitro | qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-NT fibrosarcoma cell line |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 50 mg/mL (130.76 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.6153 mL | 13.0763 mL | 26.1527 mL |
| 5 mM | 0.5231 mL | 2.6153 mL | 5.2305 mL |
| 10 mM | 0.2615 mL | 1.3076 mL | 2.6153 mL |
| 50 mM | 0.0523 mL | 0.2615 mL | 0.5231 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

Zhang H, Fang X, Meng Q, Mao Y, Xu Y, Fan T, An J, Huang Z. Design, synthesis and characterization of potent microtubule inhibitors with dual anti-proliferative and anti-angiogenic activities. Eur J Med Chem. 2018 Sep 5;157:380-396.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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