

CAY10701

Chemical Properties

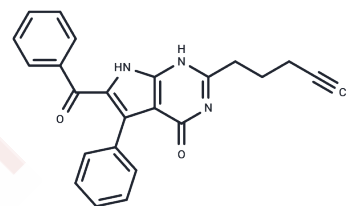
CAS No. : 1616967-52-2

Formula: C₂₄H₁₉N₃O₂

Molecular Weight: 381.43

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

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| Description | CAY10701 is a 7-deazahypoxanthine analog that prevents microtubule formation, blocking the proliferation of HeLa and MCF-7 cells (GI ₅₀ s = 22 and 38 nM, respectively). It also inhibits the growth of several different colorectal cancer cell lines (GI ₅₀ values range from 9 to 17 nM), while being at least 1,500-fold less effective against normal human fibroblast WI38 cells. CAY10701 is effective in vivo, reducing tumor volume in colorectal cell xenografts in mice without significantly altering body weight. |
| Targets(IC ₅₀) | Others, Microtubule Associated |

Solubility Information

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| Solubility | Methanol: 10 mg/mL (26.22 mM), Sonication is recommended. Ethanol: 10 mg/mL (26.22 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
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Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.6217 mL | 13.1086 mL | 26.2171 mL |
| 5 mM | 0.5243 mL | 2.6217 mL | 5.2434 mL |
| 10 mM | 0.2622 mL | 1.3109 mL | 2.6217 mL |
| 50 mM | 0.0524 mL | 0.2622 mL | 0.5243 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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