

ABBV-744

Chemical Properties

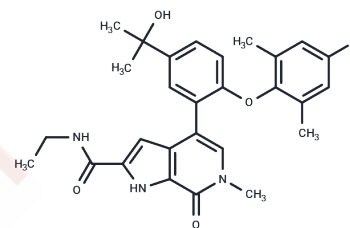
CAS No. : 2138861-99-9

Formula: C₂₈H₃₀N₃O₄F

Molecular Weight: 491.5527

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 | ABBV-744 is a BDII-selective BET bromodomain inhibitor that inhibits BRD2/3/4. It is used in the research on inflammatory diseases, cancer, and AIDS. |
| Targets(IC50) | Epigenetic Reader Domain,HIV Protease |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 230 mg/mL (467.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (20.34 mM),Solution. 10% DMSO+90% Saline: < 10 mg/mL (20.34 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.0344 mL | 10.1719 mL | 20.3438 mL |
| 5 mM | 0.4069 mL | 2.0344 mL | 4.0688 mL |
| 10 mM | 0.2034 mL | 1.0172 mL | 2.0344 mL |
| 50 mM | 0.0407 mL | 0.2034 mL | 0.4069 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

Emily J. Faivre, et al. First-in-class, highly BDII-selective BET family inhibitor ABBV-744 displays potent anti-tumor activity in androgen receptor positive prostate cancer models and an improved tolerability profile. Cancer Res. 2018, 78(13 Supl):Abstract nr 4960.

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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