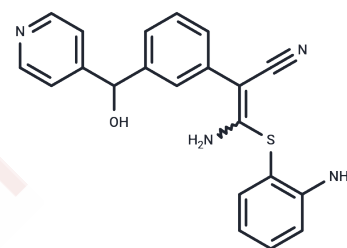


MEK-IN-4

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 297744-42-4 |
| Formula: | C ₂₁ H ₁₈ N ₄ O ₅ |
| Molecular Weight: | 374.46 |
| 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 | MEK-IN-4 is a MEK inhibitor utilized in the study of inflammatory diseases and cancer. |
| Targets(IC50) | MEK |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.6705 mL | 13.3526 mL | 26.7051 mL |
| 5 mM | 0.5341 mL | 2.6705 mL | 5.341 mL |
| 10 mM | 0.2671 mL | 1.3353 mL | 2.6705 mL |
| 50 mM | 0.0534 mL | 0.2671 mL | 0.5341 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

- Johnson D. Is there a role for single-agent MEK inhibition in melanoma? Clin Adv Hematol Oncol. 2016 Dec;14(12): 976-978.
- Thomas CL, et al. A mitogen-activated protein kinase kinase inhibitor induced compound skin toxicity with oedema in metastatic malignant melanoma. Clin Exp Dermatol. 2016 Apr;41(3):267-71.
- Frank W, et al. Amino-thio-acrylonitriles as mek inhibitors. WO2000056706A1.
- Shen B, et al. cAMP activates TRPC6 channels via the phosphatidylinositol 3-kinase (PI3K)-protein kinase B (PKB)-mitogen-activated protein kinase kinase (MEK)-ERK1/2 signaling pathway. J Biol Chem. 2011 Jun 3;286(22):19439-45.
- Frank W, et al. Amino-thio-acrylonitriles as mek inhibitors. WO2000056706A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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