

hCAIX/VII-IN-1

Chemical Properties

CAS No. :

Formula: C16H13BFN3O3

Molecular Weight: 325.1

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 | hCAIX/VII-IN-1 is a selective inhibitor of human carbonic anhydrase isoforms VII and IX, displaying inhibitory activity against hCA I, II, IV, VII, and IX with respective K_i values of 336.2 nM, 185.8 nM, 1055 nM, 35.6 nM, and 28.0 nM. This compound is applicable in cancer and neurological disease research [1]. |
| Targets(IC50) | Carbonic Anhydrase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.076 mL | 15.3799 mL | 30.7598 mL |
| 5 mM | 0.6152 mL | 3.076 mL | 6.152 mL |
| 10 mM | 0.3076 mL | 1.538 mL | 3.076 mL |
| 50 mM | 0.0615 mL | 0.3076 mL | 0.6152 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

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