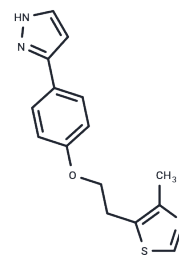


CYP4A11/CYP4F2-IN-1

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 502654-40-2 |
| Formula: | C ₁₅ H ₁₅ N ₃ O ₃ |
| Molecular Weight: | 285.36 |
| Storage: | Store at low temperature 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 | CYP4A11/CYP4F2-IN-1 is a cytochrome P450 (CYP) 4A11 and CYP4F2 inhibitor, applicable for research on kidney, cardiovascular, and cerebrovascular diseases. |
| Targets(IC50) | Cytochromes P450 |
| In vitro | CYP4A11/CYP4F2-IN-1 inhibits the production of 20-HETE in human renal mitochondria, with an IC50 of 4.2 nM, and exhibits favorable pharmacokinetic characteristics. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.5043 mL | 17.5217 mL | 35.0435 mL |
| 5 mM | 0.7009 mL | 3.5043 mL | 7.0087 mL |
| 10 mM | 0.3504 mL | 1.7522 mL | 3.5043 mL |
| 50 mM | 0.0701 mL | 0.3504 mL | 0.7009 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

Kawamura M, et al. Discovery of Novel Pyrazolopyridine Derivatives for 20-Hydroxyeicosatetraenoic Acid Synthase Inhibitors with Selective CYP4A11/4F2 Inhibition. J Med Chem. 2022 Nov 10;65(21):14599-14613.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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