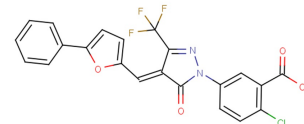


EN460

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 496807-64-8 |
| Formula: | C ₂₂ H ₁₂ ClF ₃ N ₂ O ₄ |
| Molecular Weight: | 460.79 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



Biological Description

| | |
|----------------------------|--|
| Description | EN460 is an inhibitor of endoplasmic reticulum oxidation 1 (ERO1) and interacts selectively (IC ₅₀ : 1.9 μ M) with the reduced, active form of ERO1 α and prevents its reoxidation. |
| Targets(IC ₅₀) | Others: None |
| In vitro | Exposure of cells to EN460 or QM295 resulted in the accumulation of an ERO1 α form with lower mobility, indicative of the reduced state. EN460 and QM295 activate an unfolded protein response reporter in cultured 293T cells. |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 12.5 mg/mL (27.13 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 2.17 mL | 10.851 mL | 21.702 mL |
| 5 mM | 0.434 mL | 2.17 mL | 4.34 mL |
| 10 mM | 0.217 mL | 1.085 mL | 2.17 mL |
| 50 mM | 0.043 mL | 0.217 mL | 0.434 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Blais JD, et al. A small molecule inhibitor of endoplasmic reticulum oxidation 1 (ERO1) with selectively reversible thiol reactivity. J Biol Chem. 2010 Jul 2;285(27):20993-1003.

Inhibitors · Natural Compounds · Compound Libraries

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