

E235

Chemical Properties

CAS No. : 891894-69-2

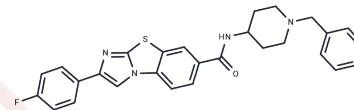
Formula: C₂₈H₂₅FN₄O₅

Molecular Weight: 484.59

Store at low temperature

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	E235 is a regulatory activator of transcription factor 4 (ATF4) with antiproliferative activity. E235 acts by initiating the integrated stress response (ISR) and signaling the DNA damage response.
Targets(IC50)	Others, PERK
In vitro	In HT1080, B16F10, and AG1522 cells, E235 (0, 1, 5, and 10 μM; 4 hours) increased ATF4 expression in a dose-dependent manner[1].

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (Insoluble) DMSO: 5 mg/mL (10.32 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0636 mL	10.318 mL	20.636 mL
5 mM	0.4127 mL	2.0636 mL	4.1272 mL
10 mM	0.2064 mL	1.0318 mL	2.0636 mL
50 mM	0.0413 mL	0.2064 mL	0.4127 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

Sayers CM, et al. Identification and characterization of a potent activator of p53-independent cellular senescence via a small-molecule screen for modifiers of the integrated stress response. Mol Pharmacol. 2013 Mar;83(3):594-604.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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