

Ferroleuton

Chemical Properties

CAS No. :

Formula: C₁₃H₁₆FeN₂O₂

Molecular Weight: 288.12

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	Ferroleuton is a selective competitive inhibitor of 5-lipoxygenase with an IC ₅₀ of 0.21 μM. It demonstrates antioxidant properties, clearing 86% of DPPH at 50 μM and exhibiting activities in ABTS (EC ₅₀ = 19.42 μM) and FRAP (EC ₅₀ = 3.32 μM) assays.
Targets(IC ₅₀)	Lipoxygenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4708 mL	17.3539 mL	34.7078 mL
5 mM	0.6942 mL	3.4708 mL	6.9416 mL
10 mM	0.3471 mL	1.7354 mL	3.4708 mL
50 mM	0.0694 mL	0.3471 mL	0.6942 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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