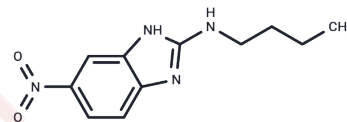


AV123

Chemical Properties

CAS No. : 233605-81-7
 Formula: C₁₁H₁₄N₄O₂
 Molecular Weight: 234.25
 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	AV123 (compound 12) is a non-cytotoxic RIPK1 inhibitor with an IC ₅₀ of 12.12 μM. It blocks TNF-α-induced necroptosis with an EC ₅₀ of 1.7 μM, but not apoptotic cell death. AV123 can be used in the study of necrotic chronic conditions such as ischemia-reperfusion injury of the brain, heart, and kidney, inflammatory diseases, neurodegenerative diseases, and infectious diseases [1].
Targets(IC50)	Others,RIP kinase
In vitro	AV123 (0.01-100 μM; 24 h) efficiently blocks necroptosis in a dose-dependent manner in FADD-deficient Jurkat cells (EC ₅₀ = 1.7 μM) without exhibiting toxicity to RPE-1 cells at concentrations of 0.01-50 μM for 24 hours [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2689 mL	21.3447 mL	42.6894 mL
5 mM	0.8538 mL	4.2689 mL	8.5379 mL
10 mM	0.4269 mL	2.1345 mL	4.2689 mL
50 mM	0.0854 mL	0.4269 mL	0.8538 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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