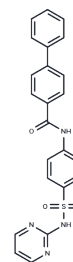


BRD-K20733377

Chemical Properties

CAS No. : 452350-43-5
 Formula: C₂₃H₁₈N₄O₃S
 Molecular Weight: 430.48
 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	BRD-K20733377 is a Bcl-2 inhibitor that exhibits selective cytotoxicity toward senescent cells, specifically inhibiting the activity of etoposide-induced senescent IMR-90 cells with an IC ₅₀ of 10.7 μM. Additionally, BRD-K20733377 reduces the mRNA expression of aging-related genes p16, p21, and KI67 in aged mouse models.
Targets(IC ₅₀)	Bcl-2 Family

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.323 mL	11.6149 mL	23.2299 mL
5 mM	0.4646 mL	2.323 mL	4.646 mL
10 mM	0.2323 mL	1.1615 mL	2.323 mL
50 mM	0.0465 mL	0.2323 mL	0.4646 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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