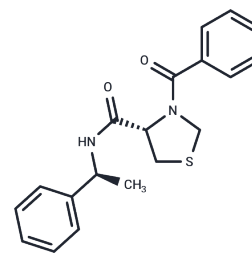


RS 0481

Chemical Properties

CAS No. : 126769-16-2
 Formula: C₁₉H₂₀N₂O₂S
 Molecular Weight: 340.44
 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	RS 0481 modulates the immune response and rebuilds lymphocyte populations damaged by tumor growth in animals.
Targets(IC50)	Others
In vivo	In the mouse model, RS-0481 was administered at dose ranges tested of 0.1, 1, and 10 mg/kg, all of which were given by the oral route to X5563 tumor-burdened mice. The dosing schedule consisted of 5 consecutive days on days 1-5 or days 12-16 after tumor inoculation. It was found that all of these doses significantly enhanced anti-tumor immune responses, including tumor-specific cytotoxic T-lymphocytes (CTLs), delayed-type hypersensitivity T-cells (TDTHs), and non-specific lymphokine-activated killer cell-like cell responses. Also, RS-0481 enhanced the tumor suppressor effect of macrophages from tumor-burdened mice, but had no effect on macrophages from normal mice. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9374 mL	14.6869 mL	29.3738 mL
5 mM	0.5875 mL	2.9374 mL	5.8748 mL
10 mM	0.2937 mL	1.4687 mL	2.9374 mL
50 mM	0.0587 mL	0.2937 mL	0.5875 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

Kurakata S, et al. Modulation of the immune response to tumors by a novel synthetic compound, (4R)-3-benzoyl-N-[(1R)-1-phenylethyl]-4-thiazolidinecarboxamide (RS-0481). *Cancer Immunol Immunother.* 1991;33(2):71-9.

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