

RBN013209

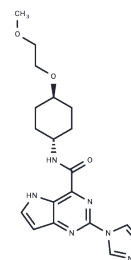
Chemical Properties

CAS No. : 2597933-17-8

Formula: C₁₉H₂₄N₆O₃

Molecular Weight: 384.43

Storage: Store at low temperature, Keep away from direct sunlight
 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 | RBN013209 is a potent CD38 inhibitor. RBN013209 is useful in the treatment of cancer. |
| Targets(IC50) | PD-1/PD-L1,CD38,LAG-3,Immunology/Inflammation related |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 200 mg/mL (520.25 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (13.01 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.6013 mL | 13.0063 mL | 26.0125 mL |
| 5 mM | 0.5203 mL | 2.6013 mL | 5.2025 mL |
| 10 mM | 0.2601 mL | 1.3006 mL | 2.6013 mL |
| 50 mM | 0.052 mL | 0.2601 mL | 0.5203 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

Laurie B. Schenkel, et al. Heterobicyclic amides as inhibitors of cd38. WO2021021986 A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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