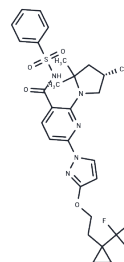


Bamocafort

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 2204245-48-5 |
| Formula: | C ₂₈ H ₃₂ F ₃ N ₅ O ₄ S |
| Molecular Weight: | 591.65 |
| 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 | Bamocafort is a CFTR channel (DeltaF508-CFTR mutation) corrector for CF transmembrane conductance regulators designed to restore F508del-CFTR protein function. Combined use of tezacaftor and VX-561 for the treatment of cystic fibrosis patients with F508del/MF. |
| Targets(IC50) | CFTR |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 18.33 mg/mL (30.98 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.6902 mL | 8.4509 mL | 16.9019 mL |
| 5 mM | 0.338 mL | 1.6902 mL | 3.3804 mL |
| 10 mM | 0.169 mL | 0.8451 mL | 1.6902 mL |
| 50 mM | 0.0338 mL | 0.169 mL | 0.338 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

- Ghelani DP, et al. Emerging Cystic Fibrosis Transmembrane Conductance Regulator Modulators as New Drugs for Cystic Fibrosis: A Portrait of in Vitro Pharmacology and Clinical Translation. ACS Pharmacol Transl Sci. 2019;3(1):4-10.
- Davies JC, et al. VX-659-Tezacaftor-Ivacaftor in Patients with Cystic Fibrosis and One or Two Phe508del Alleles. N Engl J Med. 2018;379(17):1599-1611.
- Taylor-Cousar JL, et al. Clinical development of triple-combination CFTR modulators for cystic fibrosis patients with one or two F508del alleles. ERJ Open Res. 2019;5(2):00082-2019.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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