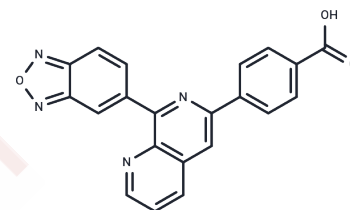


ABE171

Chemical Properties

CAS No. : 426268-06-6
 Formula: C₂₁H₁₂N₄O₃
 Molecular Weight: 368.35
 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	ABE171, also known as NVP-ABE171, is a potent and novel phosphodiesterase 4 inhibitor with anti-inflammatory activities. NVP-ABE171 inhibited the activity of phosphodiesterase 4A, 4B, 4C, and 4D with respective IC ₅₀ values of 602, 34, 1230, and 1.5 nM. In human cells, NVP-ABE171 inhibited the eosinophil and neutrophil oxidative burst, the release of cytokines by T cells, and the tumor necrosis factor-alpha release from monocytes, in the nanomolar range. NVP-ABE171 inhibited the airway neutrophil influx and activation with an ED ₅₀ in the range of 3 mg/kg. NVP-ABE171 shows activity both in vitro on human inflammatory cells and in vivo in animal models of lung inflammation.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7148 mL	13.574 mL	27.1481 mL
5 mM	0.543 mL	2.7148 mL	5.4296 mL
10 mM	0.2715 mL	1.3574 mL	2.7148 mL
50 mM	0.0543 mL	0.2715 mL	0.543 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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