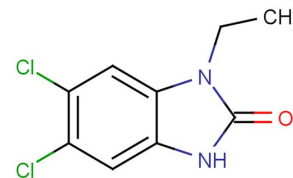


DCEBIO

Chemical Properties

CAS No.:	60563-36-2
Formula:	C ₉ H ₈ Cl ₂ N ₂ O
Molecular Weight:	231.08
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	DCEBIO stimulates the secretion of Cl ⁻ through the activation of the hK1 K ⁺ channel and the activation of the apical Cl ⁻ conductance. DCEBIO is a derivative of 1-EBIO and a very strong activator of Cl ⁻ secretion by T84 colon cells.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.328 mL	21.638 mL	43.275 mL
5 mM	0.866 mL	4.328 mL	8.655 mL
10 mM	0.433 mL	2.164 mL	4.328 mL
50 mM	0.087 mL	0.433 mL	0.866 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Hamilton KL, et al. DCEBIO stimulates Cl⁻ secretion in the mouse jejunum. Am J Physiol Cell Physiol. 2006 Jan;290(1):C152-64.
2. Singh S, et al. Benzimidazolone activators of chloride secretion: potential therapeutics for cystic fibrosis and chronic obstructive pulmonary disease. J Pharmacol Exp Ther. 2001 Feb;296(2):600-11.

Inhibitors · Natural Compounds · Compound Libraries

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