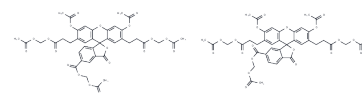


BCECF-AM

Chemical Properties

CAS No. : 117464-70-7
Formula: C₈₀H₇₂O₃₈
Molecular Weight: 1641.418
Appearance: no data available
Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	BCECF-AM, a compound permeable to cell membranes, serves as a fluorescent indicator for monitoring intracellular pH levels.
Targets(IC ₅₀)	Others
In vitro	In pulmonary arterial smooth muscle cells (PASMC), BCECF-AM is used to measure changes in basal pHi and NHE activity induced by increasing concentrations of ET-1 (0.1-10 nM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6092 mL	3.0461 mL	6.0923 mL
5 mM	0.1218 mL	0.6092 mL	1.2185 mL
10 mM	0.0609 mL	0.3046 mL	0.6092 mL
50 mM	0.0122 mL	0.0609 mL	0.1218 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.

Reference

Clark Undem, et al. Endothelin-1 Augments Na⁺/H⁺ Exchange Activity in Murine Pulmonary Arterial Smooth Muscle Cells via Rho Kinase. PLoS One. 2012; 7(9): e46303.

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