

BCECF-AM

Chemical Properties

CAS No. :	117464-70-7
Formula:	C ₈₀ H ₇₂ O ₃₈
Molecular Weight:	1641.418
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	BCECF-AM, a compound permeable to cell membranes, serves as a fluorescent indicator for monitoring intracellular pH levels.
Targets(IC50)	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.

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

Clark Udem, 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481