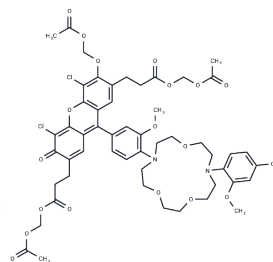


ING-2 AM

Chemical Properties

CAS No. :	1642554-49-1
Formula:	C53H60Cl2N2O18
Molecular Weight:	1083.96
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	ING-2 AM is a membrane-permeable fluorescent indicator specifically designed for sodium ions (Na ⁺), exhibiting a binding affinity with a dissociation constant (K _d) of 20 mM. With excitation and emission maxima (λ) at 525 nm and 545 nm respectively, this compound achieves a 20-fold selectivity over potassium ions (K ⁺). It is utilized both in vitro and in situ to monitor real-time sodium influx.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9225 mL	4.6127 mL	9.2254 mL
5 mM	0.1845 mL	0.9225 mL	1.8451 mL
10 mM	0.0923 mL	0.4613 mL	0.9225 mL
50 mM	0.0185 mL	0.0923 mL	0.1845 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

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