

Product Data Sheet

Product Name: ING-2 AM

Cat. No.: GC49460

Chemical Properties

Cas. No. 1642554-49-1

SMILES O=C(C)OCOC(CCC1=CC2=C(C3=CC(OC)=C(N4CCOCCOCCN(C5=C(OC)C=C(C)C=C5)CCOCC4)C=C3)C6=CC(CCC(OCOC(C)=O)=O)=C(OCOC(C)=O)C(Cl)=C6OC2=C(C1=O)Cl)=O

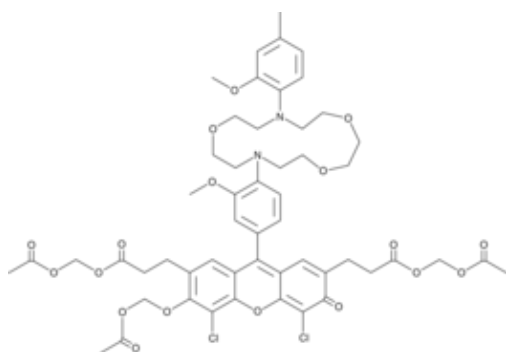
Formula C₅₃H₆₀Cl₂N₂O₁₈ M.Wt 1084

Solubility Methanol: soluble Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

ING-2 AM is a cell-permeable fluorescent sodium indicator.¹ It binds to sodium ($K_d = 20$ mM) and displays excitation/emission maxima of 525 and 545 nm, respectively. ING-2 AM has been used to kinetically monitor sodium levels in isolated human platelets via flow cytometry.

1. Aliotta, A., Calderara, D.B., and Alberio, L. Flow cytometric monitoring of dynamic cytosolic calcium, sodium, and potassium fluxes following platelet activation. *Cytometry A*. 97(9):933-944 (2020)

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA