

Product Data Sheet

Product Name: IPG-2 TMA

Cat. No.: GC49466

Chemical Properties

Cas. No. 1369302-21-5

SMILES O=C(CCC1=CC2=C(C3=CC(OC)=C(N4CCOCCOCCN(CCOCCOCC4)C5=C(OC)C=C(C)C=C5)C=C3)C6=CC(CCC([O-])=O)=C([O-])C(Cl)=C6OC2=C(C1=O)Cl)[O-].C[N+](C)(C)C.C[N+](C)(C)C.C[N+](C)(C)C

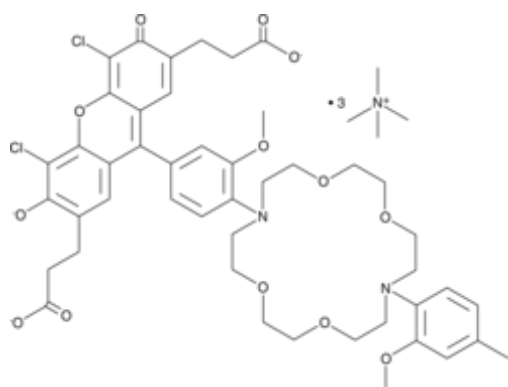
Formula C₄₆H₄₉Cl₂N₂O₁₃ • 3C₄H₁₂N M.Wt 1131.2

Solubility N/A 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

IPG-2 TMA is a cell-impermeable fluorescent potassium indicator. It binds to potassium ($K_d = 18$ mM) and displays excitation/emission maxima of 525/545 nm, respectively. IPG-2 TMA can be used in lipid membrane-free systems or liposomes or can be introduced into cells by electroporation, microinjection, or other methods. IPG-2 is also available in a cell-permeable form.

N/A

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

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