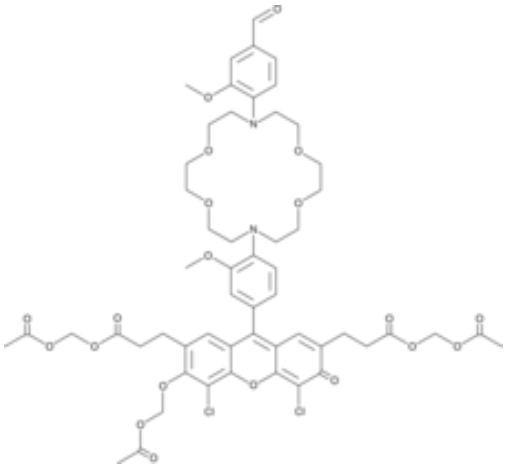
Product Data Sheet

Product Name: IPG-1 AM
Cat. No.: GC49468

Chemical Properties

Cas. No.	1369302-18-0		
SMILES	ClC(C(C(CCC(OCOC(C)=O)=O)=C1)=O)=C2C1=C(C3=CC=C(N4CCOCCOCCN(C5=CC=C(C=O)C=C5OC)CCOCCOCC4)C(OC)=C3)C6=CC(CCC(OCOC(C)=O)=O)=C(OCOC(C)=O)C(Cl)=C6O2		
Formula	$C_{55}H_{62}Cl_2N_2O_{20}$	M.Wt	1142
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

IPG-1 AM is a cell-permeable fluorescent potassium indicator. It binds to potassium (K_d = 50 mM) and displays excitation/emission maxima of 525/545 nm, respectively. IPG-1 AM is also available in a cell-impermeable form .

N/A

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