

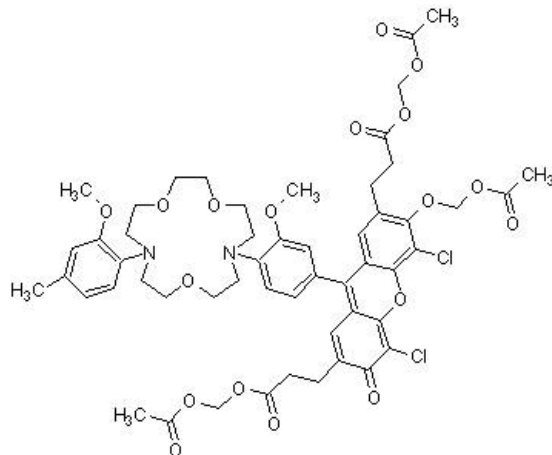
Product datasheet

ION NaTRIUM Green™-2 AM, cytosolic Na⁺ indicator
ab142802

5 References 1 Image

Overview

Product name	ION NaTRIUM Green™-2 AM, cytosolic Na ⁺ indicator
Description	Cell membrane permeable cytosolic Na ⁺ indicator
General notes	Affinity is 20 mM/34 mM Kd for sodium (absence/presence of K ⁺), and 39 mM (in astrocytes).
Chemical structure	



Properties

Excitation	525nm
Emission	545nm
Molecular weight	1083.97
Molecular formula	C ₅₃ H ₆₀ Cl ₂ N ₂ O ₁₈
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 1mg/ml
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

For more information on AM esters please visit our [AM esters FAQ page](#).

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

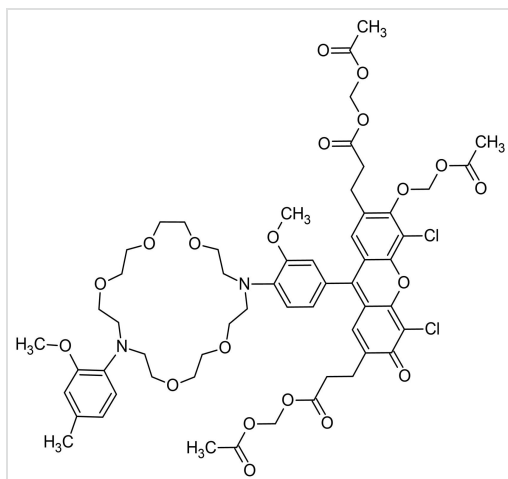
SMILES

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CC(=O)OCOC(=O)CCC6=CC=2C(Oc1c(cc(CCC(=O)OCOC(C)=O)c(OCOC(C)=O)c1Cl)C=2c3ccc(c(OC)c3)N4CCOCCOCCN(CCOCC4)c5ccc(C)cc5OC)=C(Cl)C6=O
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Source

Synthetic

Images



2D chemical structure image of ab142802, ION NaTRIUM Green™-2 AM, cytosolic Na⁺ indicator

Chemical Structure - ION NaTRIUM Green™-2 AM, cytosolic Na⁺ indicator (ab142802)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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