



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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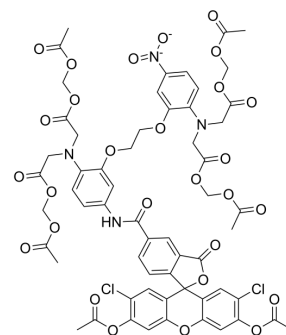
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## Calcium Green-5N AM

Cat. No.:	HY-D1631
CAS No.:	216699-33-1
Molecular Formula:	$C_{59}H_{52}Cl_2N_4O_{28}^{2-}$
Molecular Weight:	1335.96
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Calcium Green-5N AM is a novel  $Ca^{2+}$ -sensitive fluorescent probe. Calcium Green-5N AM shows enhancement in fluorescence intensity on binding  $Ca^{2+}$ , and can monitor free  $Ca^{2+}$  in neurons<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. D Thomas, et al. A comparison of fluorescent  $Ca^{2+}$  indicator properties and their use in measuring elementary and global  $Ca^{2+}$  signals. *Cell Calcium*. 2000 Oct;28(4):213-23.
- [2]. S Rajdev, et al. Calcium green-5N, a novel fluorescent probe for monitoring high intracellular free  $Ca^{2+}$  concentrations associated with glutamate excitotoxicity in cultured rat brain neurons. *Neurosci Lett*. 1993 Nov 12;162(1-2):149-52.
- [3]. Scott B Herrick, et al. The acrosomal vesicle of mouse sperm is a calcium store. *J Cell Physiol*. 2005 Mar;202(3):663-71.

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

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