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# SCAS

SCAS (4-Sulfonato calix[8]arene, sodium salt) is a quencher developed by Biotium to reduce background fluorescence when using our fixable AM dyes, SynaptoGreen and SynaptoRed dyes. Unlike ADVASEP-7, SCAS dramatically lowers background fluorescence as soon as it is added to the preparation without the need for repeated wash steps.

### Product attributes

| | |
|---|---|
| **Probe cellular localization** | Membrane/vesicular |
| **For live or fixed cells** | For live/intact cells |

## Product Description

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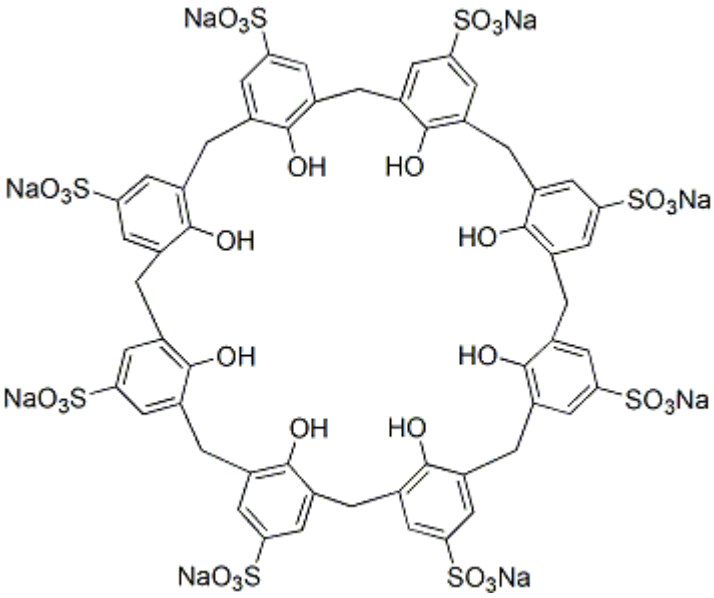
- Off-white solid soluble in water
- $C_{56}H_{40}Na_8O_{32}S_8$
- MW 1665.34



# Nerve Terminal Dyes and Kits

| Product | Catalog No. | Features |
|---|---|---|
| **SynaptoGreen™ Dyes (Ex/Em ~480/660 nm in membranes)** | 70020... 70053 | View full list of SynaptoGreen™ Dyes |
| **SynaptoRed Dyes™ (Ex/Em ~510/750 nm in membranes)** | 70021... 70050 | View full list of SynaptoRed™ Dyes |
| **Background Reducers** | | |
| ADVASEP-7 | 70029 | Sulfonated cyclodextrin that aids in removal of free dye during washes |
| SCAS | 70037 | Quenches extracellular fluorescences with fewer wash steps than ADVASEP-7 |
| Sulforhodamine 101 | 80101 | Red fluorescent dye that quenches extracellular fluorescence of SynaptoGreen™ dyes |
| **Nerve Terminal Staining Kits** | | |
| Nerve Terminal Staining Kit I | 70030 | Includes SynaptoGreen™ C4 and ADVASEP-7 |
| Nerve Terminal Staining Kit II (A) | 70031 | Includes AM1-43 and ADVASEP-7 |
| Nerve Terminal Staining Kit II (B) | 70031-1 | Includes AM1-43 and SCAS |
| Nerve Terminal Staining Kit III | 70032 | Includes SynaptoGreen™ C4 and Sulforhodamine 101 |
| Nerve Terminal Staining Kit V | 70034 | Includes SynaptoRed™ C2 and ADVASEP-7 |

m is the number of carbons in the lipophilic tail and n is the number of double bonds linking the two aromatic rings in the dye.
**The positively-charged end of SynaptoRed C2M is a trimethylammonium group.FM is a registered trademark of Thermo Fisher Scientific.

# References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2. Dev. Cell, 44(1), 56(2018), DOI: 10.1016/j.devcel.2017.12.014
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4. J. Cell Sci, 134(2), (2021), DOI: 10.1242/jcs.25773