

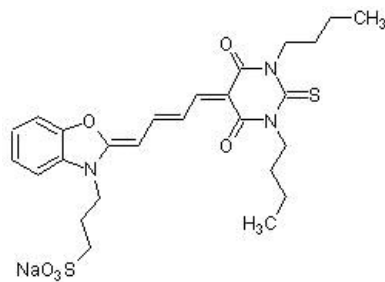
## Product datasheet

# Merocyanin 540 (Merocyanine 540), Fluorescent membrane indicator ab145391

[1 Image](#)

### Overview

<b>Product name</b>	Merocyanin 540 (Merocyanine 540), Fluorescent membrane indicator
<b>Description</b>	Fluorescent membrane potential indicator
<b>Purity</b>	> 90%
<b>CAS Number</b>	62796-23-0
<b>Chemical structure</b>	



### Properties

<b>Excitation</b>	500nm
<b>Emission</b>	500nm
<b>Chemical name</b>	3-[(2Z)-2-[(E)-4-(1,3-Dibutyl-4,6-dioxo-2-sulfanylidene-1,3-diazinan-5-ylidene)but-2-enylidene]-1,3-benzoxazol-3-yl]propane-1-sulfonate sodium
<b>Molecular weight</b>	569.67
<b>Molecular formula</b>	C <sub>26</sub> H <sub>32</sub> N <sub>3</sub> NaO <sub>6</sub> S <sub>2</sub>
<b>PubChem identifier</b>	5702743
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water, in ethanol and in DMSO
<b>Handling</b>	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.

Refer to SDS for further information.

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

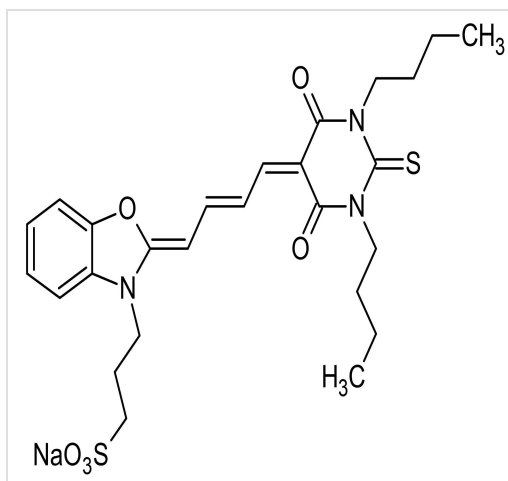
#### SMILES

CCCCN1C(=O)C(=C/C=C/C=C\2/N(C3=CC=CC=C3O2)CCCS(=O)(=O)[O-])C(=O)N(C1=S)CCCC.[Na+]

#### Source

Synthetic

#### Images



2D chemical structure image of ab145391, Merocyanin 540 (Merocyanine 540), Fluorescent membrane indicator

Chemical Structure - Merocyanin 540 (Merocyanine 540), Fluorescent membrane indicator (ab145391)

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

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