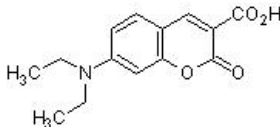


## Product datasheet

# 7-Diethylaminocoumarin-3-carboxylic acid, amine and protein derivatisation reagent ab145332

1 Image

### Overview

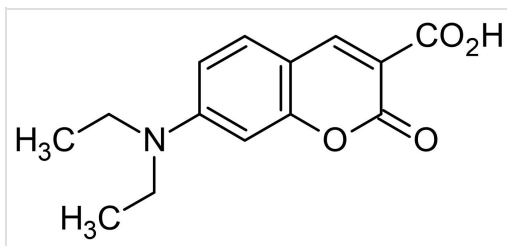
<b>Product name</b>	7-Diethylaminocoumarin-3-carboxylic acid, amine and protein derivatisation reagent
<b>Description</b>	7-(Diethylamino)coumarin-3-carboxylic acid is a reagent for the derivatisation of amines and proteins. It has also been used for labelling synthetic peptides for high-throughput detection.
<b>Biological description</b>	Derivatisation reagent. Fluorescent label for amine modification and protein conjugation. Also used for labeling synthetic peptides for high-throughput detection.
<b>Purity</b>	> 98%
<b>General notes</b>	Fluorescence: $\lambda_{ex}$ 409 nm; $\lambda_{em}$ 473 nm in 0.1 M Tris pH 9.0.
<b>CAS Number</b>	50995-74-9
<b>Chemical structure</b>	

### Properties

<b>Excitation</b>	409nm
<b>Emission</b>	473nm
<b>Molecular weight</b>	261.27
<b>Molecular formula</b>	C <sub>14</sub> H <sub>15</sub> NO <sub>4</sub>
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO
<b>Handling</b>	<p>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.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>Source</b>	Synthetic

## Images

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Chemical Structure - 7-Diethylaminocoumarin-3-carboxylic acid, amine and protein derivatisation reagent (ab145332)

2D chemical structure image of ab145332, 7-Diethylaminocoumarin-3-carboxylic acid, amine and protein derivatisation reagent

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

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