



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

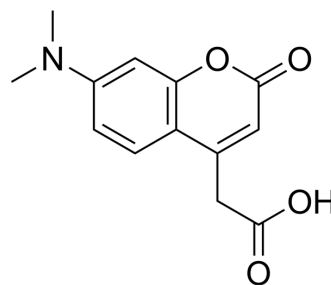
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## 7-Dimethylaminocoumarin-4-acetic acid

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-W040681   |
| CAS No.:           | 80883-54-1   |
| Molecular Formula: | C <sub>13</sub> H <sub>13</sub> NO <sub>4</sub>  |
| Molecular Weight:  | 247.25   |
| Target:            | Fluorescent Dye  |
| Pathway:           | Others   |
| Storage:           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

|   |   |                          |      |       |           |            |            |
|---|---|--------------------------|------|-------|-----------|------------|------------|
| In Vitro  | DMSO : 100 mg/mL (404.45 mM; Need ultrasonic)   |                          |      |       |           |            |            |
|   | Preparing Stock Solutions   | Solvent<br>Concentration | Mass | 1 mg  | 5 mg      | 10 mg      |            |
|   |   |                          |      | 1 mM  | 4.0445 mL | 20.2224 mL | 40.4449 mL |
|   |   |                          |      | 5 mM  | 0.8089 mL | 4.0445 mL  | 8.0890 mL  |
|   |   |                          |      | 10 mM | 0.4044 mL | 2.0222 mL  | 4.0445 mL  |
| Please refer to the solubility information to select the appropriate solvent. |   |                          |      |       |           |            |            |
| In Vivo   | 1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: 2.5 mg/mL (10.11 mM); Suspended solution; Need ultrasonic |                          |      |       |           |            |            |

### BIOLOGICAL ACTIVITY

|             |   |
|-------------|---|
| Description | 7-Dimethylaminocoumarin-4-acetic acid is a fluorescent probe <sup>[1]</sup> . |
|-------------|---|

### REFERENCES

[1]. Portonovo P, et al. First total synthesis of a fluorescent didemnin[J]. Tetrahedron, 2000, 56(23): 3687-3690.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA