



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

Quellenstraße 110, A-1100 Wien

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

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

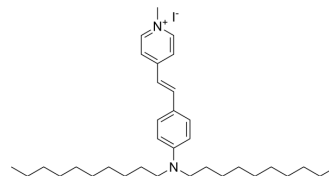
mail@szabo-scandic.com

www.szabo-scandic.com

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

4-Di-10-ASP

| | |
|---------------------------|--|
| Cat. No.: | HY-D1630 |
| CAS No.: | 95378-73-7 |
| Molecular Formula: | C ₃₄ H ₅₅ IN ₂ |
| Molecular Weight: | 618.72 |
| Target: | Fluorescent Dye |
| Pathway: | Others |
| Storage: | 4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (53.87 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Mass | | |
|---------------|-----------|-----------|------------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 1.6162 mL | 8.0812 mL | 16.1624 mL |
| 5 mM | 0.3232 mL | 1.6162 mL | 3.2325 mL |
| 10 mM | 0.1616 mL | 0.8081 mL | 1.6162 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

4-Di-10-ASP is a fluorescent lipophilic tracer (Excitation 485 nm; Emission 620 nm). 4-Di-10-ASP can be used to stain phospholipid membranes in a specific manner^{[1][2]}.

In Vitro

Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).

- 4-Di-10-ASP (1 μM), [DOPC](#) (HY-113424A) (10 mM), and [DOPG](#) (HY-142980) (1 mM) is dissolved in methanol/chloroform (25 L, 1:2 v/v).
- The solution is allowed to dry overnight under vacuum to obtain lamellar lipid films, which in turn are hydrated with the transcription/translation solution (25 L) for three hours at 37°C.
- An aliquot (10 L) of the solution thus prepared is placed on a glass slide and sealed by a cover glass.
- The sample is immediately observed with a confocal laser-scanning microscope, an argon laser (488 nm) is employed to excite the 4-Di-10-ASP^[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Z J Huang, et al. Partition coefficients of fluorescent probes with phospholipid membranes. *Biochem Biophys Res Commun*. 1991 Nov 27;181(1):166-71.

[2]. Shin-ichiro M Nomura, et al. Gene expression within cell-sized lipid vesicles. *Chembiochem*. 2003 Nov 7;4(11):1172-5.

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