



# 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

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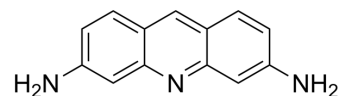
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## Proflavine

<b>Cat. No.:</b>	HY-B1741
<b>CAS No.:</b>	92-62-6
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>11</sub> N <sub>3</sub>
<b>Molecular Weight:</b>	209.25
<b>Target:</b>	Bacterial; Fluorescent Dye
<b>Pathway:</b>	Anti-infection; Others
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (597.37 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	4.7790 mL	23.8949 mL	47.7897 mL	
5 mM	0.9558 mL	4.7790 mL	9.5579 mL	
10 mM	0.4779 mL	2.3895 mL	4.7790 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

Proflavine, an acridine dye, is a known DNA intercalating agent. Anti-microbial agent<sup>[1]</sup>. Proflavine behaves as a pore blocker for K<sub>ir</sub>3.2. Proflavine is a potential lead compound for K<sub>ir</sub>3.2-associated neurological diseases<sup>[2]</sup>.

### CUSTOMER VALIDATION

- EMBO Rep. 2022 Apr 11;e53932.
- bioRxiv. 2024 Apr 21.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

[1]. Mansour K.Gatasheh, et al. Proflavine an acridine DNA intercalating agent and strong antimicrobial possessing potential properties of carcinogen. Karbala International

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Journal of Modern Science. 2017 Dec, 3(4): 272-278.

[2]. Hitoshi Kawada, et al. Isolation of proflavine as a blocker of G protein-gated inward rectifier potassium channels by a cell growth-based screening system. Neuropharmacology. 2016 Oct;109:18-28.

[3]. Jiaxin Chen, et al. Determination of proflavine in rat whole blood without sample pretreatment by laser desorption postionization mass spectrometry. Anal Bioanal Chem. 2017 Apr;409(11):2813-2819.

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

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