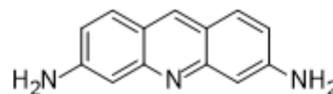


Proflavine

Cat. No.:	HY-B1741
CAS No.:	92-62-6
Molecular Formula:	C ₁₃ H ₁₁ N ₃
Molecular Weight:	209.25
Target:	Bacterial; Fluorescent Dye
Pathway:	Anti-infection; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Proflavine, an acridine dye, is a known DNA intercalating agent. Anti-microbial agent^[1]. Proflavine behaves as a pore blocker for K_{ir}3.2. Proflavine is a potential lead compound for K_{ir}3.2-associated neurological diseases^[2].

CUSTOMER VALIDATION

- EMBO Rep. 2022 Apr 11;e53932.

See more customer validations on 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 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.

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

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