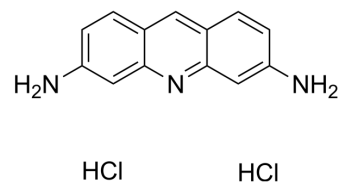


Proflavine dihydrochloride

Cat. No.:	HY-B1741A
CAS No.:	531-73-7
Molecular Formula:	C ₁₃ H ₁₃ Cl ₂ N ₃
Molecular Weight:	282.17
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 (3,6-Diaminoacridine) dihydrochloride, an acridine dye, is a DNA intercalating agent and Anti-microbial agent. Proflavine dihydrochloride behaves as a pore blocker for Kir3.2. Proflavine dihydrochloride is a potential lead compound for Kir3.2-associated neurological diseases^{[1][2][3]}.

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]. Jiixin 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.
- [3]. 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.

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

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