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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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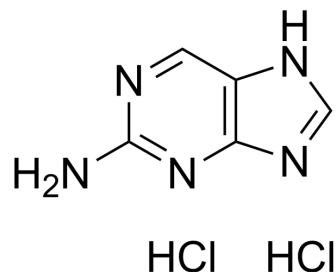
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2-Aminopurine dihydrochloride

Cat. No.:	HY-W012642A
CAS No.:	1428126-74-2
Molecular Formula:	C ₅ H ₇ Cl ₂ N ₅
Molecular Weight:	208.05
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

2-Aminopurine dihydrochloride is a fluorescent analog of guanosine. 2-Aminopurine dihydrochloride can be used as a fluorescence probe for nucleic acid structure and dynamics. Incorporating 2-Aminopurine dihydrochloride into DNA quenches its fluorescence^{[1][2]}.

REFERENCES

- [1]. Jean JM, et al. 2-Aminopurine fluorescence quenching and lifetimes: role of base stacking. *Proc Natl Acad Sci U S A*. 2001 Jan 2;98(1):37-41.
- [2]. Rachofsky EL, et al. Probing structure and dynamics of DNA with 2-aminopurine: effects of local environment on fluorescence. *Biochemistry*. 2001 Jan 30;40(4):946-56.

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

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