



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

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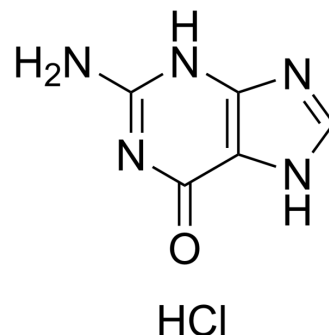
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Guanine hydrochloride

| | |
|--------------------|---|
| Cat. No.: | HY-Y1055A |
| CAS No.: | 635-39-2 |
| Molecular Formula: | C ₅ H ₆ ClN ₅ O |
| Molecular Weight: | 187.59 |
| Target: | Endogenous Metabolite; DNA/RNA Synthesis |
| Pathway: | Metabolic Enzyme/Protease; Cell Cycle/DNA Damage |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | | |
|---------------------------|--|----------------------|
| Description | Guanine hydrochloride is one of the fundamental components of nucleic acids (DNA and RNA). It is a purine derivative composed of a fused pyrimidine-imidazole ring system with conjugated double bonds. Guanine hydrochloride has the potential to serve as a large-capacity nitrogen reservoir ^[1] . | |
| IC ₅₀ & Target | Human Endogenous Metabolite | Microbial Metabolite |

CUSTOMER VALIDATION

- Talanta. 2023 Sep 6, 125171.
- BMC Neurol. 2023 Dec 16;23(1):444.
- Research Square Preprint. 2022 Feb.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Mojzeš P, et al. Guanine, a high-capacity and rapid-turnover nitrogen reserve in microalgal cells. Proc Natl Acad Sci U S A. 2020 Dec 22;117(51):32722-32730.

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

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