SZABO SCANDIC

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# 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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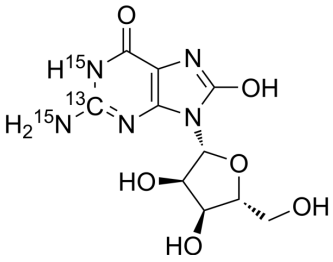
# 8-Hydroxy guanosine-$^{13}C,^{15}N_2$

| | |
|---|---|
| **Cat. No.:** | HY-W654004 |
| **Molecular Formula:** | $C_9{}^{13}CH_{13}N_3{}^{15}N_2O_6$ |
| **Molecular Weight:** | 302.22 |
| **Target:** | Isotope-Labeled Compounds; Endogenous Metabolite |
| **Pathway:** | Others; Metabolic Enzyme/Protease |
| **Storage:** | Please store the product under the recommended conditions in the Certificate of Analysis. |



## BIOLOGICAL ACTIVITY

| | |
|---|---|
| **Description** | 8-Hydroxy guanosine-$^{13}C,^{15}N_2$ is $^{13}C$ and $^{15}N$ labeled 8-Hydroxyguanosine. 8-Hydroxyguanosine, an oxidized nucleoside, is a marker of RNA oxidative damage and oxidative stress. 8-Hydroxyguanosine stimulates proliferation and differentiation of B cells[1][2][3][4]. |

## REFERENCES


[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

[2]. Ahmad A, et al. 8-Hydroxyguanosine and 8-methoxyguanosine possess immunostimulating activity for B lymphocytes. Cell Immunol. 1985 Aug;94(1):276-80.

[3]. Fiala ES, et al. Oxidative DNA and RNA damage in the livers of Sprague-Dawley rats treated with the hepatocarcinogen 2-nitropropane. Cancer Res. 1989 Oct 15;49(20):5518-22.

[4]. Abe T, et al. Remarkable increase in the concentration of 8-hydroxyguanosine in cerebrospinal fluid from patients with Alzheimer's disease. J Neurosci Res. 2002 Nov 1;70(3):447-50.

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