



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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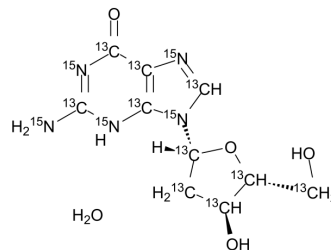
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## 2'-Deoxyguanosine-<sup>13</sup>C<sub>10</sub>,<sup>15</sup>N<sub>5</sub> monohydrate

|                           |  |
|---------------------------|--|
| <b>Cat. No.:</b>          | HY-D0185S4   |
| <b>CAS No.:</b>           | 2483830-26-6   |
| <b>Molecular Formula:</b> | <sup>13</sup> C <sub>10</sub> H <sub>15</sub> <sup>15</sup> N <sub>5</sub> O <sub>5</sub>        |
| <b>Molecular Weight:</b>  | 300.15   |
| <b>Target:</b>            | Endogenous Metabolite  |
| <b>Pathway:</b>           | Metabolic Enzyme/Protease  |
| <b>Storage:</b>           | -20°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### BIOLOGICAL ACTIVITY

|                    |  |
|--------------------|--|
| <b>Description</b> | 2'-Deoxyguanosine- <sup>13</sup> C <sub>10</sub> , <sup>15</sup> N <sub>5</sub> (monohydrate) is the <sup>13</sup> C and <sup>15</sup> N labeled 2'-Deoxyguanosine monohydrate[1]. 2'-Deoxyguanosine monohydrate is an endogenous metabolite.  |
| <b>In Vitro</b>    | Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

### REFERENCES

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

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

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