



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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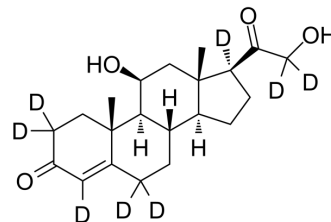
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## Corticosterone-d<sub>8</sub>

<b>Cat. No.:</b>	HY-B1618S		
<b>CAS No.:</b>	1271728-07-4		
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>22</sub> D <sub>8</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	354.51		
<b>Target:</b>	Glucocorticoid Receptor; Endogenous Metabolite		
<b>Pathway:</b>	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor; Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	Corticosterone-d <sub>8</sub> is the deuterium labeled Corticosterone. Corticosterone is an adrenocortical steroid that has modest but significant activities as a mineralocorticoid and a glucocorticoid.
<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> . 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;53(2):211-216.
- [2]. Gasser PJ, et al. Corticosterone-sensitive monoamine transport in the rat dorsomedial hypothalamus: potential role for organiccation transporter 3 in stress-induced modulation of monoaminergic neurotransmission. *J Neurosci.* 2006 Aug 23;26(34):8758-8766.

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

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