



# 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

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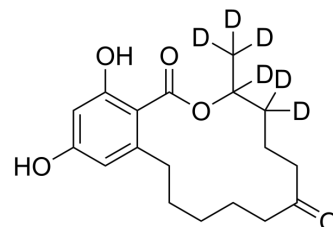
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## (Rac)-Zearalanone-d<sub>6</sub>

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-N6678S                                                                                 |
| CAS No.:           | 1795020-90-4                                                                              |
| Molecular Formula: | C <sub>18</sub> H <sub>18</sub> D <sub>6</sub> O <sub>5</sub>                             |
| Molecular Weight:  | 326.42                                                                                    |
| Target:            | Estrogen Receptor/ERR; Isotope-Labeled Compounds                                          |
| Pathway:           | Vitamin D Related/Nuclear Receptor; Others                                                |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | (Rac)-Zearalanone-d <sub>6</sub> is the racemate of Zearalanone. Zearalanone is a nonsteroidal estrogenic mycotoxin produced by Fusarium species, which colonizes several grains. Zearalanone has low acute toxicity and carcinogenicity. Due to its agonistic effect on the estrogen receptor, Zearalanone exhibits distinct estrogenic and anabolic properties in several animal species, resulting in severe effects on the reproductive system[1][2]. |
| In Vitro    | 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;53(2):211-216.
- [2]. Zöllner P, et al. Triacin Concentration levels of zearalenone and its metabolites in urine, muscle tissue, and liversamples of pigs fed with mycotoxin-contaminated oats. J Agric Food Chem. 2002 Apr 24;50(9):2494-501.

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

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