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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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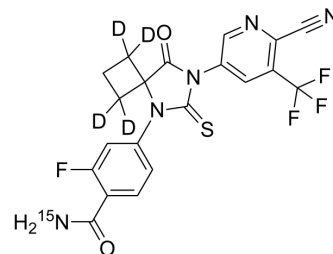
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N-Desmethyl-Apalutamide-¹⁵N,d₄

Cat. No.:	HY-135331S
Molecular Formula:	C ₂₀ H ₉ D ₄ F ₄ N ₄ ¹⁵ NO ₂ S
Molecular Weight:	468.43
Target:	Isotope-Labeled Compounds; Androgen Receptor; Cytochrome P450
Pathway:	Others; Vitamin D Related/Nuclear Receptor; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

N-Desmethyl-Apalutamide-¹⁵N,d₄ is the ¹⁵N and deuterium labeled isotope of N-Desmethyl-Apalutamide (HY-135331). N-Desmethyl Apalutamide is an active metabolite of Apalutamide. N-Desmethyl Apalutamide is a less potent antagonist of the androgen receptor and is responsible for one-third of the activity of Apalutamide. The formation of N-Desmethyl Apalutamide mediated predominantly by CYP2C8 and CYP3A4. N-Desmethyl Apalutamide is moderate to strong CYP3A4 and CYP2B6 inducer and has an excellent plasma-proteins bound concentration^{[1][2][3]}.

REFERENCES

- [1]. Pérez-Ruixo C, et al. Population Pharmacokinetics of Apalutamide and its Active Metabolite N-Desmethyl-Apalutamide in Healthy and Castration-Resistant Prostate Cancer Subjects. Clin Pharmacokinet. 2019 Aug 20.
- [2]. Smith MR, et al. Phase 2 Study of the Safety and Antitumor Activity of Apalutamide (ARN-509), a Potent Androgen Receptor Antagonist, in the High-risk Nonmetastatic Castration-resistant Prostate Cancer Cohort. Eur Urol. 2016 May 6. pii: S0302-2838(16)30133
- [3]. May MB, et al. Apalutamide: A new agent in the management of prostate cancer. J Oncol Pharm Pract. 2019 Dec;25(8):1968-1978.

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

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