



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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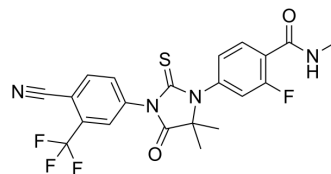
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Enzalutamide (Standard)

Cat. No.:	HY-70002R
CAS No.:	915087-33-1
Molecular Formula:	C ₂₁ H ₁₆ F ₄ N ₄ O ₂ S
Molecular Weight:	464.44
Target:	Autophagy; Androgen Receptor
Pathway:	Autophagy; Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Enzalutamide (Standard) is the analytical standard of Enzalutamide. This product is intended for research and analytical applications. Enzalutamide (MDV3100) is an androgen receptor (AR) antagonist with an IC ₅₀ of 36 nM in LNCaP prostate cells. Enzalutamide is an autophagy activator ^{[1][2]} .
IC₅₀ & Target	IC50: 36 nM (androgen-receptor, in LNCaP cells) ^[1]

REFERENCES

- [1]. Tran C, et al. Development of a second-generation antiandrogen for treatment of advanced prostate cancer. *Science*, 2009, 324 (5928), 787-790.
- [2]. Scher HI, et al. Antitumour activity of MDV3100 in castration-resistant prostate cancer: a phase 1-2 study. *Lancet*, 2010, 375(9724), 1437-1446.
- [3]. Guerrero J, et al. Enzalutamide, an androgen receptor signaling inhibitor, induces tumor regression in a mouse model of castration-resistant prostate cancer. *Prostate*. 2013 Sep;73(12):1291-305.
- [4]. Kim TH, et al. Pharmacokinetics of enzalutamide, an anti-prostate cancer drug, in rats. *Arch Pharm Res*. 2015 Nov;38(11):2076-82.

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

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