



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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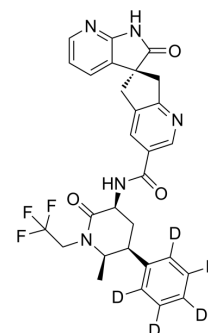
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## Ubrogепant-d<sub>5</sub>

Cat. No.:	HY-12366S
Molecular Formula:	C <sub>29</sub> H <sub>21</sub> D <sub>5</sub> F <sub>3</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	554.57
Target:	Isotope-Labeled Compounds; CGRP Receptor
Pathway:	Others; GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Ubrogепant-d<sub>5</sub> (MK-1602-d<sub>5</sub>) is deuterium labeled Ubrogепant. Ubrogепant (MK-1602) is an orally active and selective antagonist of calcitonin gene-related peptide receptor (CGRP). Ubrogепant has high affinity for CGRP receptors in human and rhesus monkeys, and can effectively block the cAMP response stimulated by α-CGRP. Ubrogепant can be used in the study of acute migraine<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Li CC, et al. Population PK Analyses of Ubrogепant (MK-1602), a CGRP Receptor Antagonist: Enriching In-Clinic Plasma PK Sampling With Outpatient Dried Blood Spot Sampling. *J Clin Pharmacol*. 2017 Nov 14. doi: 10.1002/jcph.1021.
- [3]. Moore E, et al. Characterization of Ubrogепant: A Potent and Selective Antagonist of the Human Calcitonin Gene-Related Peptide Receptor. *J Pharmacol Exp Ther*. 2020 Jan 28;jpet.119.261065.

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

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