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Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

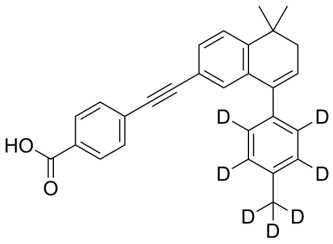
mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

AGN 193109-d_7

Cat. No.:	HY-U00449S
CAS No.:	1216429-25-2
Molecular Formula:	$C_{28}H_{17}D_7O_2$
Molecular Weight:	399.53
Target:	RAR/RXR; Autophagy; Isotope-Labeled Compounds
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor; Autophagy; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AGN 193109-d_7 is the deuterium labeled AGN 193109. AGN 193109 is a retinoid analog, and acts as a specific and highly effective antagonist of retinoic acid receptors (RARs), with Kds of 2 nM, 2 nM, and 3 nM for RARα, RARβ, and RARγ, respectively.
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[1]. 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]. Johnson AT, et al. Synthesis and characterization of a highly potent and effective antagonist of retinoic acid receptors. J Med Chem. 1995 Nov 24;38(24):4764-7.

[3]. Agarwal C, et al. AGN193109 is a highly effective antagonist of retinoid action in human ectocervical epithelial cells. J Biol Chem. 1996 May 24;271(21):12209-12.

[4]. Standeven AM, et al. Specific antagonist of retinoid toxicity in mice. Toxicol Appl Pharmacol. 1996 May;138(1):169-75.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA