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Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- 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

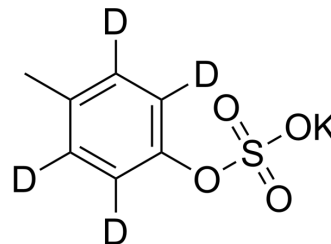
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

p-Cresol sulfate-d₄ potassium

Cat. No.:	HY-W654121
Molecular Formula:	C ₇ H ₃ D ₄ KO ₄ S
Molecular Weight:	230.32
Target:	Isotope-Labeled Compounds; Endogenous Metabolite; p38 MAPK; JNK
Pathway:	Others; Metabolic Enzyme/Protease; MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

p-Cresol sulfate-d₄ (potassium) is deuterium labeled p-Cresyl sulfate (potassium). p-Cresyl sulfate potassium is a uremic toxin that binds to a prototype protein. p-Cresyl sulfate potassium activates the JNK and p38 MAPK signaling pathways. p-Cresyl sulfate potassium has pro-inflammatory activity^{[1][2][3]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Tanaka H, et al, Fukagawa M. p-Cresyl sulfate induces osteoblast dysfunction through activating JNK and p38 MAPK pathways. *Bone*. 2013 Oct;56(2):347-54.
- [3]. Koppe L, et al. p-Cresyl sulfate promotes insulin resistance associated with CKD. *J Am Soc Nephrol*. 2013 Jan;24(1):88-99.

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

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