



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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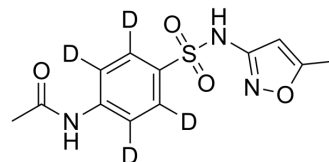
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N4-Acetylsulfamethoxazole-d4

Cat. No.:	HY-W013266S
CAS No.:	1215530-54-3
Molecular Formula:	C ₁₂ H ₉ D ₄ N ₃ O ₄ S
Molecular Weight:	299.34
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	N4-Acetylsulfamethoxazole-d4 (Acetylsulfamethoxazole-d4) is the deuterium labeled N4-Acetylsulfamethoxazole. N4-Acetylsulfamethoxazole (Acetylsulfamethoxazole) is a metabolite of Sulfamethoxazole (HY-B0322). Sulfamethoxazole is a sulfonamide bacteriostatic antibiotic, used for bacterial infections ^[1] .
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]. <https://pubchem.ncbi.nlm.nih.gov/compound/Acetylsulfamethoxazole>

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

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