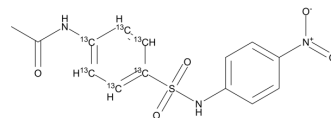


Sulfanitran-¹³C₆

Cat. No.:	HY-B0947S1
CAS No.:	1353867-79-4
Molecular Formula:	C ₈ ¹³ C ₆ H ₁₃ N ₃ O ₅ S
Molecular Weight:	341.29
Target:	Bacterial; Isotope-Labeled Compounds
Pathway:	Anti-infection; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Sulfanitran- ¹³ C ₆ is the ¹³ C labeled Sulfanitran. Sulfanitran is an antibacterial and anticoccidial agent used in poultry feeds. Sulfanitran also is a multidrug resistance protein 2 (MRP2) stimulator that can increase the affinity of MRP2 for estradiol-17-β-D-glucuronide (E217βG).
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]. Eaves KL, et, al. High pressure liquid chromatographic determination of sulfanitran and dinsed in medicated feeds and premixes. J Assoc Off Anal Chem. 1977 Sep;60(5):1064-6.
- [2]. Zelcer N, et, al. Evidence for two interacting ligand binding sites in human multidrug resistance protein 2 (ATP binding cassette C2). J Biol Chem. 2003 Jun 27;278(26):23538-44.
- [3]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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