



# 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

### SZABO-SCANDIC HandelsgmbH

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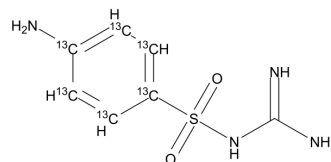
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## Sulfaguanidine-<sup>13</sup>C<sub>6</sub>

<b>Cat. No.:</b>	HY-B1267S1		
<b>Molecular Formula:</b>	C <sup>13</sup> C <sub>6</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub> S		
<b>Molecular Weight:</b>	220.2		
<b>Target:</b>	Bacterial; Antibiotic; Isotope-Labeled Compounds		
<b>Pathway:</b>	Anti-infection; Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	Sulfaguanidine- <sup>13</sup> C <sub>6</sub> is the <sup>13</sup> C <sub>6</sub> labeled Sulfaguanidine. Sulfaguanidine is an orally active antimicrobial agent/antibiotic of sulfonamide class. Sulfaguanidine can be used for the research of enteric infections such as bacillary dysentery.
<b>In Vitro</b>	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 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. LOWELL A, et, al. THE USE OF SULFAGUANIDINE IN THE TREATMENT OF DYSENTERY CARRIERS. JAMA. 1942 Apr; 118(15):1268-1271.
- [2]. Mizuno N, et, al. Gastrointestinal absorption of sulfaguanidine in neonatal and adult rats. J Pharmacobiodyn. 1986 Oct;9(10):787-92.
- [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.**

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