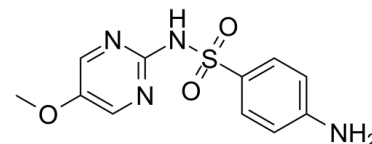


Data Sheet

Product Name:	Sulfameter
Cat. No.:	CS-2158
CAS No.:	651-06-9
Molecular Formula:	C ₁₁ H ₁₂ N ₄ O ₃ S
Molecular Weight:	280.30
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Solubility:	DMSO : ≥ 100 mg/mL (356.76 mM); H ₂ O : 0.67 mg/mL (2.39 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Sulfameter (Sulfametoxydiazine; 5-Methoxysulfadiazine) is an effective long-acting sulfonamide **antibiotic** with antibacterial activities. Sulfameter can be used for the research of urinary tract infections and leprosis^[1].

References:

[1]. Kaumeier S. The effect of the composition of food on the absorption of sulfameter. *Int J Clin Pharmacol Biopharm.* 1979 Jun;17(6):260-3.

[2]. Douglas H.Nakahata, et al. Crystal structure, spectroscopic characterization and antibacterial activities of a silver complex with sulfameter. *Journal of Molecular Structure.* Volume 1125, 5 December 2016, Pages 609-615

CAIndexNames:

Benzenesulfonamide, 4-amino-N-(5-methoxy-2-pyrimidinyl)-

SMILES:

O=S(C1=CC=C(N)C=C1)(NC2=NC=C(OC)C=N2)=O

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

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