

Product Data Sheet

Product Name: Sulfadimethoxine

Cat. No.: GC13093

Chemical Properties

Cas. No. 122-11-2

Chemical Name 4-amino-N-(2,6-dimethoxypyrimidin-4-yl)benzenesulfonamide

SMILES COC1=NC(=NC(=C1)NS(=O)(=O)C2=CC=C(C=C2)N)OC

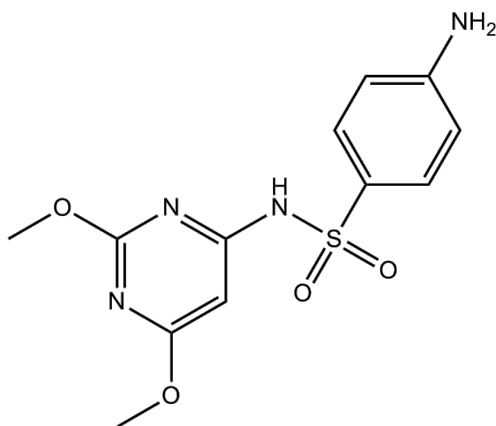
Formula C12H14N4O4S M.Wt 310.33

Solubility $\geq 13.6\text{mg/mL}$ in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Sulfadimethoxine is a long acting antibiotic [1].

Sulfadimethoxine is developed as a safe and effective antimicrobial agent for a wide range of infections including acute rhinitis, frontal abscess, pelvic inflammatory disease and upper respiratory infection et al. In the clinical study, sulfadimethoxine is reported to have no side reaction. Besides that, a single dose of 25 mg/kg of sulfadimethoxine is enough for treatment of moderate to severe

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

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infection. Most of the patients treated with sulfadimethoxine appear to respond rapidly to the therapy. Sulfadimethoxine is now most frequently used as veterinary medicine. For instance, sulfadimethoxine is found to have anticryptosporidial activity. It is highly effective in reducing the severity of cryptosporidial infection in immunosuppressed-rat model [1, 2].

References:

- [1] MOSELY MJ Jr. Clinical results with sulfadimethoxine (madribon); a new long action antibacterial. J Natl Med Assoc. 1959 Jul;51(4):258-62.
- [2] Rekg JE, Hancock ML, Woodmansee DB. Anticryptosporidial activity of sulfadimethoxine. Antimicrob Agents Chemother. 1988 Dec;32(12):1907-8.

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