

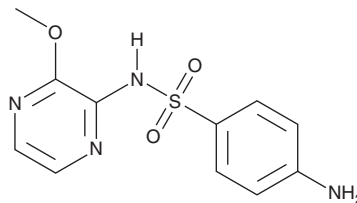
PRODUCT INFORMATION



Sulfalene

Item No. 46329

CAS Registry No.: 152-47-6
Formal Name: 4-amino-N-(3-methoxy-2-pyrazinyl)-benzenesulfonamide
Synonyms: NSC 110433, Sulfamethoxypyrazine
MF: C₁₁H₁₂N₄O₃S
FW: 280.3
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Sulfalene is supplied as a solid. A stock solution may be made by dissolving the sulfalene in the solvent of choice, which should be purged with an inert gas. Sulfalene is soluble (≥10 mg/ml) in ethanol and sparingly soluble (1-10 mg/ml) in DMSO.

Description

Sulfalene is a sulfonamide antibiotic and an antimetabolite of *p*-aminobenzoic acid (PABA; Item No. 18659).^{1,2} It is active against dapsone-sensitive *Mycobacterium* sp. 607 (MIC = 3.6 nmol/ml), also known as *M. smegmatis*, and *P. knowlesi* *in vitro*. Sulfalene (0.5 mg/kg) cures parasitemia in *P. knowlesi*-infected rhesus monkeys.³

References

1. Colwell, W.T., Chan, G., Brown, V.H., *et al.* Potential antileprotic agents. 1. Inhibition of a model mycobacterial system by diaryl sulfones. *J. Med. Chem.* **17**(1), 142-144 (1974).
2. McCormick, G.J., Canfield, C.J., and Willet, G.P. Plasmodium knowlesi: *In vitro* evaluation of antimalarial activity of folic acid inhibitors. *Exp. Parasitol.* **30**(1), 88-93 (1971).
3. Rothe, W.E., Jacobus, D.P., and Walter, W.G. Treatment of trophozoite-induced *Plasmodium knowlesi* infection in the rhesus monkey with Trimethoprim and sulfalene. *Am. J. Trop. Med. Hyg.* **18**(4), 491-494 (1969).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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