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Product Datasheet

Sulfasalazine FBM-10-4566

Artikelname	Sulfasalazine
Artikelnummer	FBM-10-4566
Hersteller Artikelnummer	10-4566
Alternativnummer	FBM-10-4566-250MG,FBM-10-4566-1G
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Anti-inflammatory / antibiotic...
Molekulargewicht	398.39
Reinheit	98%, NMR (Conforms)
Formulierung	Orange solid
CAS Nummer	[599-79-1]
Formel	C18H14N4O5S

Anwendungsbeschreibung

Sulfasalazine is an approved drug with diverse potential applications. Sulfasalazine is a clinically useful agent for the treatment of colitis and ileocolitis.¹ It is metabolized by intestinal bacteria to release the anti-inflammatory agent 5-aminosalicylic acid and the antibacterial agent sulfapyridine. It has also been found to be a specific inhibitor of NFkB (IC₅₀ = 500 μM)², inhibitor of IL-2 production of activated T lymphocytes³ and, TNFalpha and IL-1 synthesis in macrophages⁴. Sulfasalazine has more recently been shown to be inhibitor of the system Xc- cystine-glutamate antiporter.^{5,6} It was able to block cystine uptake causing depletion of glutathione resulting in compromised cellular redox defense and ultimately cessation of tumor growth. It has been studied for the treatment of breast, pancreatic, lymphoma, brain and other cancers.