

Bitte beachten Sie: Dieses Dokument wurde automatisch erstellt und ist kein Ersatz für das Originaldokument des Herstellers.

Product Datasheet

Nitazoxanide, CAS [[55981-09-4]] FBM-10-4633

Artikelname	Nitazoxanide, CAS [[55981-09-4]]
Artikelnummer	FBM-10-4633
Hersteller Artikelnummer	10-4633
Alternativnummer	FBM-10-4633-10MG,FBM-10-4633-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Antiviral and antiparasitic agent...
Molekulargewicht	307.28
Reinheit	99% by HPLC, NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[55981-09-4]
Formel	C12H9N3O5S

Anwendungsbeschreibung	Nitazoxanide is a clinically relevant antiparasitic agent.¹ It has since been repurposed as a broad-spectrum antiviral agent that is active against many RNA and DNA viruses including influenza, Hepatitis B and C, RSV, coronavirus, dengue and others.² Its antiparasitic activity is believed to be due to inhibition of pyruvate:ferredoxin/flavodoxin oxidoreductases.³ Antiviral activity involves activation of protein kinase activated by double-stranded RNA (PKR) leading to phosphorylation of eukaryotic initiation factor 2 alpha (eIF2alpha).⁴ Nitazoxanide has also been found to inhibit Wnt signaling independent of adenomatous polyposis coli (APC) - it targets peptidyl arginine deiminase 2 (PAD2) resulting in increased citrullination of beta-catenin.⁵
------------------------	--