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## Product Datasheet

### **Crisdesalazine, CAS [[927685-43-6]] FBM-10-4416**

Article Name	Crisdesalazine, CAS [[927685-43-6]]
Biozol Catalog Number	FBM-10-4416
Supplier Catalog Number	10-4416
Alternative Catalog Number	FBM-10-4416-5MG, FBM-10-4416-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	PGE2 synthase inhibitor...
Molecular Weight	325.29
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[927685-43-6]
Formula	C16H14F3NO3

Application Notes

Crisdesalazine is a potent inhibitor of microsomal prostaglandin E2 synthase-1 (IC50 = 230 nM).<sup>1</sup> It also acted as a potent spin-trapping molecule and completely removed free radical at 50 nM. Crisdesalazine displayed efficacy in mouse models of ALS<sup>1</sup> and Alzheimers disease<sup>2</sup>. In a mouse model of spinal cord injury, it inhibited proliferation of astrocytes via hydrogen peroxide inhibition and promoted nerve regeneration.<sup>3</sup> It also significantly alleviated clinical symptoms in a mouse model of multiple sclerosis by promoting the M1 to M2 phase transition in macrophages.<sup>4</sup> Crisdesalazine in combination with cisplatin restored CD8+ T cell function and significantly improved efficacy compared to cisplatin monotherapy in an ovarian cancer model.<sup>5</sup>