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## Product Datasheet

### Pirfenidone, CAS [[53179-13-8]] FBM-10-2307

Article Name	Pirfenidone, CAS [[53179-13-8]]
Biozol Catalog Number	FBM-10-2307
Supplier Catalog Number	10-2307
Alternative Catalog Number	FBM-10-2307-10MG, FBM-10-2307-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Antifibrotic...
Molecular Weight	185.23
Purity	98% by TLC NMR (Conforms)
Form	Off-white solid
CAS Number	[53179-13-8]
Formula	C12H11NO
Application Notes	Antifibrotic agent. Prevents lung fibrosis in bleomycin-induced animal models. <sup>1</sup> Down-regulates bleomycin-induced overexpression of lung procollagen I and III genes. <sup>2</sup> Up-regulates RGS2 (Regulator of G-protein Signaling 2) which represents a new mechanism of pirfenidone action. <sup>3</sup> Inhibits fibroblast proliferation. <sup>4</sup> Suppresses TNF $\alpha$ production at the translational level. <sup>5</sup> Scavenges hydroxyl radicals and inhibits lipid peroxidation in a dose-dependent manner. <sup>6</sup> Recently approved therapeutic agent for idiopathic pulmonary fibrosis. <sup>7</sup> Orally active.