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## Product Datasheet

### **Formoterol hemifumarate, CAS [[43229-80-7]] FBM-10-5092**

Article Name	Formoterol hemifumarate, CAS [[43229-80-7]]
Biozol Catalog Number	FBM-10-5092
Supplier Catalog Number	10-5092
Alternative Catalog Number	FBM-10-5092-10MG, FBM-10-5092-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	beta2 adrenergic agonist...
Molecular Weight	402.5
Purity	99% by HPLC NMR (Conforms)
Form	White or off-white solid
CAS Number	[43229-80-7]
Formula	C19H24N2O4 1/2 C4H4O4
Application Notes	Potent, long-acting agonist specific to beta2 ( $K_i = 7.6 \text{ nM}$ ), but not beta1 ( $K_i > 2.6 \mu\text{M}$ ), adrenergic receptors in trachea ( $pD_2 = 9.3$ ) over atrium ( $pD_2 = 7.0$ ). <sup>1,2</sup> Reduces adhesion and superoxide anion production in cultured activated eosinophils. <sup>3</sup> Reverses cachexia in rats and mice via inhibition of the ATP-ubiquitin-dependent proteolytic system. <sup>4</sup> Rescues LPS-induced motor function deficits and nigrostriatal dopamine loss in a rat model of Parkinsons. <sup>5</sup> Clinically useful for respiratory diseases.