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## Product Datasheet

### Roflumilast, CAS [[162401-32-3]] FBM-10-2657

Article Name	Roflumilast, CAS [[162401-32-3]]
Biozol Catalog Number	FBM-10-2657
Supplier Catalog Number	10-2657
Alternative Catalog Number	FBM-10-2657-10MG, FBM-10-2657-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	PDE4 inhibitor...
Molecular Weight	403.21
Purity	98% by HPLC, NMR (Conforms)
Form	White solid
CAS Number	[162401-32-3]
Formula	C17H14N2Cl2F2O3
Application Notes	Potent and selective phosphodiesterase (PDE4) inhibitor, IC50=0.7, 0.9, 0.7, 0.2 nM for PDE4A1, PDE4A4, PDE4B1 and PDE4B2 respectively <sup>1</sup> . Clinically useful agent for treatment of COPD <sup>2</sup> . Improves sensory gating in humans <sup>3</sup> and improves memory in rodent models <sup>4</sup> . Mimics calorie restriction effects via activation of AMPK/SIRT1 and protects against diabetic nephropathy <sup>5</sup> . Reduces weight gain by increasing energy expenditure and improves glucose metabolism in mice <sup>6</sup> .