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Product Datasheet

Pyridone 6 FBM-10-5555

Article Name	Pyridone 6
Biozol Catalog Number	FBM-10-5555
Supplier Catalog Number	10-5555
Alternative Catalog Number	FBM-10-5555-1MG,FBM-10-5555-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	pan-JAK inhibitor...
Molecular Weight	309.34
Purity	98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[457081-03-7]
Formula	C18H16FN3O
Application Notes	<p>Potent, ATP-competitive pan-JAK inhibitor. Inhibits 1, 2 and 3 (IC₅₀=1, 5 and 15 nM respectively) as well as JAK family member Tyk2 (IC₅₀=1 nM).¹ Also tested against 21 other kinases with inhibition ranging from 130 nm to >10 mM. Inhibits IL2 and IL4-dependent proliferation of CTLL cells.¹ Induces intermediate mesoderm differentiation from embryonic stem cells in a cocktail with LY-294002, CCG-1423 and retinoic acid.² Potently inhibits STAT1, STAT5 and STAT6 phosphorylation and ameliorates allergic skin inflammation in a mouse model.³ Suppresses asthmatic responses in a mouse allergic asthma model.⁴</p>