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Product Datasheet

Pyridone 6, CAS [[457081-03-7]] FBM-10-5555

Article Name	Pyridone 6, CAS [[457081-03-7]]
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	C ₁₈ H ₁₆ N ₃ O
Application Notes	Potent, ATP-competitive pan-JAK inhibitor. Inhibits 1, 2 and 3 (IC ₅₀ =1, 5 and 15 nM respectively) as well as JAK family member Tyk2 (IC ₅₀ =1 nM). ¹ Also tested against 21 other kinases with inhibition ranging from 130 nM to >10 μM. 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