

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

ODQ, CAS [[41443-28-1]] FBM-10-1211

Article Name	ODQ, CAS [[41443-28-1]]
Biozol Catalog Number	FBM-10-1211
Supplier Catalog Number	10-1211
Alternative Catalog Number	FBM-10-1211-5MG,FBM-10-1211-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Soluble guanylyl cyclase inhibitor...
Molecular Weight	187.15
Purity	98% by HPLC NMR (conforms)
Form	Pale-yellow solid
CAS Number	[41443-28-1]
Formula	C ₉ H ₅ N ₃ O ₂
Application Notes	A potent and selective inhibitor of soluble guanylyl cyclase (sGC), IC ₅₀ = 20 nM). ¹ ODQ acts via competition with NO for the heme site of sGC where it binds irreversibly. ² ODQ does not inhibit NO-mediated macrophage toxicity, an activity that is unrelated to cGMP nor does it inhibit particulate GC. ¹ ODQ is an extremely useful tool to explore the involvement of the NO-cGMP pathway in cellular signaling and physiologic processes. ³⁻⁵