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## 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 <sub>9</sub> H <sub>5</sub> N <sub>3</sub> O <sub>2</sub>
Application Notes	A potent and selective inhibitor of soluble guanylyl cyclase (sGC), IC <sub>50</sub> = 20 nM). <sup>1</sup> ODQ acts via competition with NO for the heme site of sGC where it binds irreversibly. <sup>2</sup> ODQ does not inhibit NO-mediated macrophage toxicity, an activity that is unrelated to cGMP nor does it inhibit particulate GC. <sup>1</sup> ODQ is an extremely useful tool to explore the involvement of the NO-cGMP pathway in cellular signaling and physiologic processes. <sup>3-5</sup>