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## Product Datasheet

### Irinotecan HCl, CAS [[136572-09-3]]

### FBM-10-2146

Article Name	Irinotecan HCl, CAS [[136572-09-3]]
Biozol Catalog Number	FBM-10-2146
Supplier Catalog Number	10-2146
Alternative Catalog Number	FBM-10-2146-50MG, FBM-10-2146-250MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Topoisomerase I inhibitor...
Molecular Weight	586.69 36.46 54.05
Purity	98% by TLC, NMR (Conforms)
Form	Yellow solid
CAS Number	[136572-09-3]
Formula	C33H38N4O6 HCl 3H2O
Application Notes	Irinotecan is a semi-synthetic derivative of camptothecin that is an FDA approved anticancer drug. It is a prodrug that is converted by tissue esterases to 7-ethyl-10-hydroxycamptothecin (SN-38), a potent inhibitor of DNA topoisomerase I. <sup>1,2</sup> Although irinotecan is also a topoisomerase inhibitor, SN-38 is approximately 1000 times as potent in purified enzyme studies. In vitro cytotoxicity assays show much greater variability in potency between the two (2-2000 fold). <sup>3</sup>