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## Product Datasheet

### SMED-1 FBM-10-1606

Article Name	SMED-1
Biozol Catalog Number	FBM-10-1606
Supplier Catalog Number	10-1606
Alternative Catalog Number	FBM-10-1606-5MG,FBM-10-1606-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Dexamethasone sensitizer...
Molecular Weight	372.89
Purity	98% by TLC, NMR (Conforms)
Form	pale grey solid
CAS Number	[Unknown]
Formula	C21H25CIN2O2
Application Notes	<p>A dexamethasone (Dex) sensitizer. SMED-1 was discovered in a screen designed to identify compounds that sensitize Dex-resistant ALL xenografts to Dex.<sup>1</sup> The assay employed Dex-resistant ALL-19 cells which are resistant at concentrations up to 850 <math>\mu</math>M. In contrast ALL-3 cells are sensitive to nanomolar concentrations of Dex (IC<sub>50</sub>=12 nM).<sup>2</sup> SMED-1 displays strong synergism at 10 <math>\mu</math>M plus 1 <math>\mu</math>M Dex and exhibits little activity alone (IC<sub>50</sub>&gt;20 <math>\mu</math>M). SMED-1 is Dex-synergistic in ALL-3, ALL-4 and ALL-16 xenografts but is antagonistic with ALL-31. Synergy is highest when drugs are given simultaneously.<sup>1</sup></p>