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## Product Datasheet

**Rocaglamide, CAS [[84573-16-0]]**

**FBM-10-2484**

Article Name	Rocaglamide, CAS [[84573-16-0]]
Biozol Catalog Number	FBM-10-2484
Supplier Catalog Number	10-2484
Alternative Catalog Number	FBM-10-2484-500UG, FBM-10-2484-2MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	TNF-alpha inhibitor...
Molecular Weight	505.57
Purity	97% by HPLC
Form	White solid - presented as thin film on glass vial
CAS Number	[84573-16-0]
Formula	C29H31NO7
Application Notes	Rocaglamide is a potent inhibitor of NFkB in T-lymphocytes with almost complete inhibition at 200nM. <sup>1</sup> It was able to completely inhibit IL-4 and IFN-gamma production and suppress 60-85% of IL-2 and TNF-alpha production at 50nM in T-cells without inhibiting AP-1 and NF-kB (conversely, at concentrations <100nM, it was shown to increase NF-kB activity). <sup>2</sup> Immunosuppression activity was due to inhibition of cytokine gene expression via blocking of NF-AT activity and is a different mechanism than suppression via Cyclosporine a and FK-506. Rocaglamide has anti-cancer properties via various pathways including ERK inhibition <sup>3</sup> , ATM/ATR-Chk1/Chk2 activation <sup>4</sup> , and p38 and JNK activation <sup>5</sup> .