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## Product Datasheet

### Grapiprant, CAS [[415903-37-6]] FBM-10-4006

Article Name	Grapiprant, CAS [[415903-37-6]]
Biozol Catalog Number	FBM-10-4006
Supplier Catalog Number	10-4006
Alternative Catalog Number	FBM-10-4006-5MG,FBM-10-4006-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	EP4 receptor antagonist....
Molecular Weight	491.61
Purity	98% by TLC NMR (Conforms)
Form	Off-white solid
CAS Number	[415903-37-6]
Formula	C26H29N5O3S
Application Notes	Grapiprant is a potent ( $K_i = 13$ nM for human and 20 nM for rat) and selective prostaglandin EP4 receptor antagonist. <sup>1</sup> It produces antihyperalgesic effects in animal models of pain, and has significant anti-inflammatory effects in a rat model of adjuvant-induced arthritis. <sup>2</sup> EP4 receptors have been shown to be involved in PGE2 stimulation of Th1 differentiation and Th17 expansion revealing a potential role for PGE2 receptors in immunosuppression. <sup>3,4</sup> Grapiprant/Pembrolizumab combination is in clinical trials for advanced or metastatic NSCLC adenocarcinoma. <sup>5</sup>