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## Product Datasheet

### Preladenant, CAS [[377727-87-2]] FBM-10-4102

Article Name	Preladenant, CAS [[377727-87-2]]
Biozol Catalog Number	FBM-10-4102
Supplier Catalog Number	10-4102
Alternative Catalog Number	FBM-10-4102-5MG, FBM-10-4102-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Adenosine A2A receptor antagonist...
Molecular Weight	503.57
Purity	>98% by HPLC NMR (Conforms)
Form	Beige solid
CAS Number	[377727-87-2]
Formula	C25H29N9O3
Application Notes	Preladenant is a potent ( $K_i = 1.1\text{nM}$ ) and selective (>1000-fold over other adenosine receptors) adenosine A2A antagonist. <sup>1</sup> It has shown efficacy in rodent and primate models of Parkinsons disease without inducing dyskinesias and displays antidepressant effects. <sup>1-3</sup> It has been shown that activation of the adenosine A2A receptor blocks the activation of immune cells and increases the number of regulatory T-cells. <sup>4-6</sup> Currently in clinical trials as combination therapy with pembrolizumab. <sup>7</sup>