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## Product Datasheet

**ML401, CAS [[1597489-14-9]]**

**FBM-10-5280**

Article Name	ML401, CAS [[1597489-14-9]]
Biozol Catalog Number	FBM-10-5280
Supplier Catalog Number	10-5280
Alternative Catalog Number	FBM-10-5280-5MG, FBM-10-5280-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	EBI2 (GPR183) antagonist...
Molecular Weight	419.75
Purity	>98% by TLC NMR (Conforms)
Form	White solid
CAS Number	[1597489-14-9]
Formula	C20H20BrClN2O
Application Notes	ML401 is a potent antagonist of GPR183 (IC50 = 1.03 nM), also known as EBI2 or Epstein-Barr virus-induced gene 2. ML401 inhibited 7alpha,25-dihydroxycholesterol-induced RS11846 cell chemotaxis, IC50=6 nM.1 GPR183 is a key chemotactic receptor guiding B cell localization to appropriate microenvironments for activation and differentiation.2 It also regulates the homeostasis, localization and immunological function of splenic dendritic cells.3 Oxysterols have been shown to be endogenous ligands for GPR183 with 7alpha,25-dihydroxycholesterol being the most potent (Kd=450 pM).4