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## Product Datasheet

### ML401 FBM-10-5280

Article Name	ML401
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	<p>ML401 is a potent antagonist of GPR183 (IC<sub>50</sub> = 1.03 nM), also known as EBI2 or Epstein-Barr virus-induced gene 2. ML401 inhibited 7α,25-dihydroxycholesterol-induced RS11846 cell chemotaxis, IC<sub>50</sub>=6 nM.<sup>1</sup> GPR183 is a key chemotactic receptor guiding B cell localization to appropriate microenvironments for activation and differentiation.<sup>2</sup> It also regulates the homeostasis, localization and immunological function of splenic dendritic cells.<sup>3</sup> Oxysterols have been shown to be endogenous ligands for GPR183 with 7α,25-dihydroxycholesterol being the most potent (K<sub>d</sub>=450 pM).<sup>4</sup></p>