

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Pridopidine, CAS [[346688-38-8]]

### FBM-10-4003

Article Name	Pridopidine, CAS [[346688-38-8]]
Biozol Catalog Number	FBM-10-4003
Supplier Catalog Number	10-4003
Alternative Catalog Number	FBM-10-4003-5MG, FBM-10-4003-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Sigma-1 ligand/neuroprotective/restorative...
Molecular Weight	281.41
Purity	98% by TLC NMR (Conforms)
Form	Off-white solid
CAS Number	[346688-38-8]
Formula	C15H23NO2S

Application Notes

Pridopidine is being studied as a potential treatment for Huntingtons disease, Parkinsons disease, and schizophrenia based on its locomotor stabilizing and antipsychotic-like effects.<sup>1,2</sup> It was, unusually, able to reverse both hypo- and hyperdopaminergia depending on local dopamine concentrations without inducing catalepsy. This was originally attributed to functional dopamine D2 antagonism with fast on/off kinetics ("dopamine stabilizer").<sup>3</sup> More recent studies have attributed pridopidines effects to its being a more potent sigma-1 ligand than a D2 ligand.<sup>4,5</sup> Displays neuroprotective/restorative effects<sup>6,7</sup> and ameliorates central features of amyotrophic lateral sclerosis pathology<sup>8</sup> in a sigma-1-mediated manner