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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.^{1,2} 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").³ More recent studies have attributed pridopidines effects to its being a more potent sigma-1 ligand than a D2 ligand.^{4,5} Displays neuroprotective/restorative effects^{6,7} and ameliorates central features of amyotrophic lateral sclerosis pathology⁸ in a sigma-1-mediated manner
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