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## Product Datasheet

**Quinacrine hydrochloride, CAS [[69-05-6]]**

**FBM-10-4251**

Article Name	Quinacrine hydrochloride, CAS [[69-05-6]]
Biozol Catalog Number	FBM-10-4251
Supplier Catalog Number	10-4251
Alternative Catalog Number	FBM-10-4251-20MG, FBM-10-4251-100MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Antiprotozoan / Anticancer...
Molecular Weight	472.88
Purity	98% by HPLC, NMR (Confirms)
Form	Yellow solid
CAS Number	[69-05-6]
Formula	C23H30ClN3O2HCl
Application Notes	Quinacrine is an antiprotozoan drug used for malaria and giardiasis and has recently been investigated in treating lupus, as an anticancer agent, inflammation, and as a female sterilization agent. <sup>1</sup> It has been found to have synergistic effects with vorinostat in the treatment of T-cell acute lymphoblastic leukemia via mitophagy blockage and an increase in ROS. <sup>2</sup> Quinacrine displayed antitumor effects an intestinal cancer mouse model and HCT116 p53-/- xenografts via reduction in Chk1/2 expression and cell death induction in the G2-M phase. <sup>3</sup> It promotes autophagic cell death in ovarian cancer cells via downregulation of p62/SQSTM1. <sup>4</sup> Quinacrine is also an inhibitor of phospholipase A2. <sup>5</sup>