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Product Datasheet

PF-670462 dihydrochloride, CAS [[950912-80-8]] FBM-10-4692

Article Name	PF-670462 dihydrochloride, CAS [[950912-80-8]]
Biozol Catalog Number	FBM-10-4692
Supplier Catalog Number	10-4692
Alternative Catalog Number	FBM-10-4692-5MG,FBM-10-4692-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Casein kinase 1delta/epsilon inhibitor...
Molecular Weight	337.40
Purity	>98% by HPLC, NMR (Conforms)
Form	Off-white solid
CAS Number	[950912-80-8]
Formula	C19H22Cl2FN5
Application Notes	Potent inhibitor of casein kinase 1epsilon/delta (CK1epsilon, IC50 = 7.7 nM, CK1delta, IC50 = 14 nM). ¹ It is a circadian clock modifier that caused robust phase delays in rats ¹ and Cynomolgus monkeys ² . PF-670462 caused nuclear retention of the clock protein PER resulting in period lengthening in a phase-specific manner that was dependent on CK1delta inhibition and not CK1epsilon. ³ It improved cognitive performance and reduced amyloid load in various mouse models of Alzheimers disease. ⁴⁻⁶ PF-670462 slowed the progression of and increased survival of chronic lymphocytic leukemia in mice alone and in combination with Ibrutinib. ⁷