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## Product Datasheet

**PF-670462 dihydrochloride**  
**FBM-10-4692**

Artikelname	PF-670462 dihydrochloride
Artikelnummer	FBM-10-4692
Hersteller Artikelnummer	10-4692
Alternativnummer	FBM-10-4692-5MG,FBM-10-4692-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Casein kinase 1delta/epsilon inhibitor...
Molekulargewicht	337.4
Reinheit	>98% by HPLC, NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[950912-80-8]
Formel	C19H22Cl2FN5
Anwendungsbeschreibung	<p>Potent inhibitor of casein kinase 1epsilon/delta (CK1epsilon, IC50 = 7.7 nM, CK1delta, IC50 = 14 nM).<sup>1</sup> It is a circadian clock modifier that caused robust phase delays in rats<sup>1</sup> and Cynomolgus monkeys<sup>2</sup>. 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.<sup>3</sup> It improved cognitive performance and reduced amyloid load in various mouse models of Alzheimers disease.<sup>4-6</sup> PF-670462 slowed the progression of and increased survival of chronic lymphocytic leukemia in mice alone and in combination with Ibrutinib.<sup>7</sup></p>