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Product Datasheet

PFK15 **FBM-10-4580**

Artikelname	PFK15
Artikelnummer	FBM-10-4580
Hersteller Artikelnummer	10-4580
Alternativnummer	FBM-10-4580-5MG,FBM-10-4580-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Phosphofructo-2-kinase (PFKFB3) inhibitor...
Molekulargewicht	260.29
Reinheit	99% by HPLC, NMR (Conforms)
Formulierung	Pale yellow solid
CAS Nummer	[4382-63-2]
Formel	C17H12N2O
Anwendungsbeschreibung	<p>PFK15 is an inhibitor of the metabolic enzyme 6-Phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3 (PFKFB3). PFKFB3 is constitutively expressed by neoplastic cells and is required for the high glycolytic rate (Warburg Effect) of these cells. PFK15 inhibits PFKFB3 (IC50 = 207 nM) without inhibiting 96 other kinases.¹ PFK15 was able to potently inhibit glucose and F26BP uptake. It induced apoptosis and reduced tumor growth in vitro and in vivo. PFK15 has been shown to inhibit tumor growth in various cancer models.^{2,3}</p>