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Product Datasheet

PFK15 FBM-10-4580

Article Name	PFK15
Biozol Catalog Number	FBM-10-4580
Supplier Catalog Number	10-4580
Alternative Catalog Number	FBM-10-4580-5MG,FBM-10-4580-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Phosphofructo-2-kinase (PFKFB3) inhibitor...
Molecular Weight	260.29
Purity	99% by HPLC, NMR (Conforms)
Form	Pale yellow solid
CAS Number	[4382-63-2]
Formula	C17H12N2O
Application Notes	<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>