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Product Datasheet

BPTES **FBM-10-5414**

Article Name	BPTES
Biozol Catalog Number	FBM-10-5414
Supplier Catalog Number	10-5414
Alternative Catalog Number	FBM-10-5414-5MG,FBM-10-5414-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Glutaminase GLS1 inhibitor...
Molecular Weight	524.68
Purity	98% by TLC, NMR (Conforms)
Form	White to off-white solid
CAS Number	[314045-39-1]
Formula	C ₂₄ H ₂₄ N ₆ O ₂ S ₃
Application Notes	<p>Potent and selective allosteric¹ inhibitor of kidney-type glutaminase (GLS1), IC₅₀ = 3.3 μM². Selective for GLS1 over GLS2, g-glutamyl transpeptidase and glutamate dehydrogenase. Shuts down an alternative energy-generating glutaminolysis pathway in P493 cells under both glucose deprivation or hypoxia.³ Reduces the growth of P493 cell xenografts by 50% over a 10 day treatment.⁴ BPTES inhibition of glutamine utilization in cancer cells increases PD-L1 expression.⁵ Clears senescent cells and improves various age-related disorders in a geriatric mouse model.⁶</p>