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Product Datasheet

UNC7467, CAS [[2922283-43-8]] FBM-10-4080

Article Name	UNC7467, CAS [[2922283-43-8]]
Biozol Catalog Number	FBM-10-4080
Supplier Catalog Number	10-4080
Alternative Catalog Number	FBM-10-4080-5MG, FBM-10-4080-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	IP6K inhibitor...
Molecular Weight	315.33
Purity	>98% TLC, NMR (Conforms)
Form	Yellow solid
CAS Number	[2922283-43-8]
Formula	C20H13NO3

Application Notes	<p>Potent inhibitor of inositol hexakisphosphate kinase (IP6K) - the isoform IP3K1 regulates metabolism, promotes insulin secretion from β cells, attenuates certain aspects of insulin signaling, and reduces whole-body energy expenditure by inhibiting adipocyte thermogenesis, thus making it an attractive target for treatment of obesity and obesity-induced metabolic dysfunction. It is selective for IP6K1 and 2 over IP6K3 (IC₅₀s = 8.9 nM, 4.9 nM, and 1320 nM respectively). EC₅₀ = 1.0 μM and 0.24 μM at 3hr and 18 hr respectively in intact HCT116 cells ([³³P]-Pi efflux). Selective against a panel of 30 protein kinases and 5 CYP isoforms. UNC7467 improved glycemic profiles, ameliorated hepatic steatosis, and reduced weight gain without altering food intake in diet-induced obese mice.</p>
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