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## Product Datasheet

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

Artikelname	UNC7467, CAS [[2922283-43-8]]
Artikelnummer	FBM-10-4080
Hersteller Artikelnummer	10-4080
Alternativnummer	FBM-10-4080-5MG,FBM-10-4080-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	IP6K inhibitor...
Molekulargewicht	315.33
Reinheit	>98% TLC, NMR (Conforms)
Formulierung	Yellow solid
CAS Nummer	[2922283-43-8]
Formel	C20H13NO3

Anwendungsbeschreibung	<p>Potent inhibitor of inositol hexakisphosphate kinase (IP6K) - the isoform IP3K1 regulates metabolism, promotes insulin secretion from <math>\beta</math> 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 <math>\mu</math>M and 0.24 <math>\mu</math>M at 3hr and 18 hr respectively in intact HCT116 cells ([<sup>33</sup>P]-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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