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## Product Datasheet

**GNS561, CAS [[1914148-73-4]]**

**FBM-10-4138**

Artikelname	GNS561, CAS [[1914148-73-4]]
Artikelnummer	FBM-10-4138
Hersteller Artikelnummer	10-4138
Alternativnummer	FBM-10-4138-5MG,FBM-10-4138-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	PPT1 inhibitor/STING activator...
Molekulargewicht	459.46
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	White to off-white solid
CAS Nummer	[1914148-73-4]
Formel	C <sub>25</sub> H <sub>31</sub> ClN <sub>4</sub> HCl
Anwendungsbeschreibung	<p>GNS561 induces lysosomal dysregulation leading to inhibition of autophagy.<sup>1</sup> It displayed efficacy against intrahepatic cholangiocarcinoma<sup>1</sup> and hepatocellular carcinoma<sup>2</sup>. GNS561 acted as an anti-fibrotic agent against liver fibrosis in a rat model.<sup>3</sup> GNS561-induced cell death is partially caused by inhibition of palmitoyl-protein thioesterase 1 (PPT1) leading to lysosomal dysfunction.<sup>4</sup> GNS561 treatment of prostate and ovarian cancer models enhanced STING expression and activation via PPT1 inhibition leading to infiltration of cytotoxic T cells.<sup>5</sup> GNS561 represents a potentially novel immunotherapy for cold tumors.</p>