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Product Datasheet

RU.521 **FBM-10-4140**

Article Name	RU.521
Biozol Catalog Number	FBM-10-4140
Supplier Catalog Number	10-4140
Alternative Catalog Number	FBM-10-4140-5MG,FBM-10-4140-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	cGAS inhibitor...
Molecular Weight	415.23
Purity	98% by TLC NMR (Conforms)
Form	Off-white to pale pink solid
CAS Number	[2262452-06-0]
Formula	C19H12Cl2N4O3
Application Notes	Inhibitor of cyclic GMP-AMP synthase (cGAS), an important innate immune system sensor of foreign cytoplasmic double-stranded DNA. ^{1,2} IC ₅₀ = 0.70 μM in dsDNA-stimulated RAW macrophages ¹ and ~0.80 μM in wild type human THP-1 cells ² . It is selective for cGAS with no targeting of IFNB1 protein, interferon receptors, or downstream signaling components of the JAK/STAT pathway. RU.521 was able to significantly increase cardiac output in a mouse model of sepsis. ³ Active in both mouse and human cell lines.