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## Product Datasheet

### SHP099, CAS [[1801747-42-1]]

### FBM-10-4604

Article Name	SHP099, CAS [[1801747-42-1]]
Biozol Catalog Number	FBM-10-4604
Supplier Catalog Number	10-4604
Alternative Catalog Number	FBM-10-4604-5MG, FBM-10-4604-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	SHP2 inhibitor...
Molecular Weight	352.27
Purity	98% by HPLC, NMR (Conforms)
Form	Yellow solid
CAS Number	[1801747-42-1]
Formula	C16H19Cl2N5
Application Notes	<p>SHP099 is a potent (<math>IC_{50} = 71\text{ nM}</math>) and selective allosteric inhibitor of SHP2. SHP2 is a non-receptor tyrosine phosphatase that regulates cell survival and proliferation through activating the RAS-ERK pathway. It also mediates programmed cell death 1 (PD-1) and T-lymphocyte attenuator (BTLA) immune checkpoint pathways. Treatment with SHP099, in combination with ceritinib, halts growth of ALK-inhibitor resistant non-small-cell lung cancer cells.<sup>3</sup> Thus, reduction of SHP2 activity is a potential important cancer therapy target. It showed no activity against a panel of 21 other human phosphatases and 66 kinases.</p>