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Product Datasheet

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

FBM-10-4604

Artikelname	SHP099, CAS [[1801747-42-1]]
Artikelnummer	FBM-10-4604
Hersteller Artikelnummer	10-4604
Alternativnummer	FBM-10-4604-5MG,FBM-10-4604-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	SHP2 inhibitor...
Molekulargewicht	352.27
Reinheit	98% by HPLC, NMR (Conforms)
Formulierung	Yellow solid
CAS Nummer	[1801747-42-1]
Formel	C16H19Cl2N5
Anwendungsbeschreibung	SHP099 is a potent (IC₅₀ = 71 nM) 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.³ 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.