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## Product Datasheet

### **BI-D1870** **FBM-10-4791**

Artikelname	BI-D1870
Artikelnummer	FBM-10-4791
Hersteller Artikelnummer	10-4791
Alternativnummer	FBM-10-4791-5MG,FBM-10-4791-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	p90 Ribosomal S6 kinase inhibitor...
Molekulargewicht	391.42
Reinheit	98%, NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[501437-28-1]
Formel	C19H23F2N5O2

Anwendungsbeschreibung	<p>BI-D1870 is an inhibitor of p90 ribosomal S6 kinase (RSK, IC50s = RSK1, 31 nM, RSK2, 24 nM, RSK3, 18 nM, RSK4, 15 nM) with selectivity over other AGC kinases.<sup>1</sup> It protected mice from experimental autoimmune encephalomyelitis suggesting a new strategy to treat multiple sclerosis.<sup>2</sup> BI-D1870 has also been found to alter mTORC1 signaling in an RSK-independent manner.<sup>3</sup> BI-D1870 induced apoptosis in oral squamous cell carcinoma cells<sup>4</sup>, suppressed growth and induced apoptosis in pediatric medulloblastoma cell lines as well as sensitizing these lines to Sonic hedgehog agents<sup>5</sup>, and blocked cell proliferation and protein synthesis in dual BRAF and MEK inhibitor-resistant melanoma<sup>6</sup>.</p>
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