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## Product Datasheet

### Rasarin FBM-10-5498

Artikelname	Rasarin
Artikelnummer	FBM-10-5498
Hersteller Artikelnummer	10-5498
Alternativnummer	FBM-10-5498-5MG,FBM-10-5498-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Dual Ras/ARF6 inhibitor...
Molekulargewicht	425.91
Reinheit	98% by TLC NMR (Conforms)
Formulierung	Yellow solid
CAS Nummer	[674359-73-0]
Formel	C <sub>23</sub> H <sub>24</sub> CIN <sub>3</sub> O <sub>3</sub>

Anwendungsbeschreibung	<p>Dual inhibitor of Ras and ARF6 discovered by screening a library of over 115,000 small molecules employing an endosomal BRET-based assay with the prototypical GPCR angiotensin II type 1 receptor (AT1R) seeking to identify inhibitors of receptor trafficking. IC<sub>50</sub>=7 and 0.7 μM for ARF and Ras respectively with no inhibition of Rac/Cdc42 and Rho up to 100 μM. It blocks agonist-mediated internalization of AT1R and other GPCRs. It also potently inhibits agonist-induced ERK1/2 signaling by GPCRs and MAPK and AKT signaling by EGFR (IC<sub>50</sub>=4-5 μM) and prevents cancer cell proliferation. Rasarfins direct action on Ras was also verified using purified H-Ras in an in vitro GEF exchange assay.<sup>1</sup></p>
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