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Product Datasheet

Rasarfin, CAS [[674359-73-0]]
FBM-10-5498

Article Name	Rasarfin, CAS [[674359-73-0]]
Biozol Catalog Number	FBM-10-5498
Supplier Catalog Number	10-5498
Alternative Catalog Number	FBM-10-5498-5MG,FBM-10-5498-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Dual Ras/ARF6 inhibitor...
Molecular Weight	425.91
Purity	98% by TLC NMR (Conforms)
Form	Yellow solid
CAS Number	[674359-73-0]
Formula	C23H24ClN3O3
Application Notes	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. IC₅₀=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 (IC₅₀=4-5 μM) and prevents cancer cell proliferation. Rasarfin's direct action on Ras was also verified using purified H-Ras in an in vitro GEF exchange assay.¹