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Product Datasheet

FPS-ZM1, CAS [[945714-67-0]] FBM-10-4616

Artikelname	FPS-ZM1, CAS [[945714-67-0]]
Artikelnummer	FBM-10-4616
Hersteller Artikelnummer	10-4616
Alternativnummer	FBM-10-4616-10MG,FBM-10-4616-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	RAGE inhibitor...
Molekulargewicht	327.85
Reinheit	98% by HPLC, NMR (Conforms)
Formulierung	Off-White solid
CAS Nummer	[945714-67-0]
Formel	C20H22ClNO

Anwendungsbeschreibung	FPS-ZM1 is a high-affinity Receptor for Advanced Glycation End products (RAGE) inhibitor ($IC_{50} = 0.6 \mu M$). It is able to lower levels of Abeta via binding to the V domain of RAGE and can block multiple mechanisms of Abeta40- and Abeta42-induced cellular stress in RAGE-expressing brain endothelium, neurons and microglia in vitro and in vivo.^{1,2} Can cross the BBB. In a rat model of intracerebral hemorrhage, FPS-ZM1 was able to attenuate blood-brain barrier and white matter fiber damage.³ FPS-ZM1 inhibition of RAGE was able to ameliorate inflammatory damage after acute intracerebral hemorrhage via downstream blockade of high mobility box-1(HMGB1) signaling.⁴ FPS-ZM1 has also been shown to impair breast cancer cell invasion and metastasis.⁵
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