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Product Datasheet

EHNA HCl, CAS [[51350-19-7]] FBM-10-2438

Artikelname	EHNA HCl, CAS [[51350-19-7]]
Artikelnummer	FBM-10-2438
Hersteller Artikelnummer	10-2438
Alternativnummer	FBM-10-2438-5MG, FBM-10-2438-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	PDE2 inhibitor...
Molekulargewicht	313.83
Reinheit	98% by HPLC NMR (Confirms)
Formulierung	Pale yellow or off-white solid
CAS Nummer	[51350-19-7]
Formel	C ₁₄ H ₂₃ N ₅ O HCl

Anwendungsbeschreibung	EHNA inhibits phosphodiesterase 2 (PDE2) ($IC_{50} = 0.8 - 5.5 \mu M$ in a variety of tissues and species) over PDE1, PDE3, or PDE4 (IC_{50} values $> 100 \mu M$). ^{1,2} It also inhibits adenosine deaminase (ADA), $IC_{50} = 1.2$ and $1.5 \mu M$ in human RBCs and astrocytoma cells, respectively ³ , which may be responsible for its ability to induce apoptosis in malignant pleural mesothelioma cell lines ⁴ . Because it blocks breakdown of adenosine to inosine and hypoxanthine, EHNA prevents formation of free radical substrates, protecting against cardiac reperfusion-mediated injury. ⁵ It inhibits differentiation and maintains expression of pluripotency markers in hESCs, but not through inhibition of PDEs or ADA. ⁶
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