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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	C14H23N5O HCl

Anwendungsbeschreibung	<p>EHNA inhibits phosphodiesterase 2 (PDE2) (IC50 = 0.8 - 5.5 <math>\mu</math>M in a variety of tissues and species) over PDE1, PDE3, or PDE4 (IC50 values &gt; 100 <math>\mu</math>M).<sup>1,2</sup> It also inhibits adenosine deaminase (ADA), IC50 = 1.2 and 1.5 <math>\mu</math>M in human RBCs and astrocytoma cells, respectively<sup>3</sup>, which may be responsible for its ability to induce apoptosis in malignant pleural mesothelioma cell lines<sup>4</sup>. Because it blocks breakdown of adenosine to inosine and hypoxanthine, EHNA prevents formation of free radical substrates, protecting against cardiac reperfusion-mediated injury.<sup>5</sup> It inhibits differentiation and maintains expression of pluripotency markers in hESCs, but not through inhibition of PDEs or ADA.<sup>6</sup></p>
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