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## Product Datasheet

**EHNA HCl, CAS [[51350-19-7]]**

**FBM-10-2438**

Article Name	EHNA HCl, CAS [[51350-19-7]]
Biozol Catalog Number	FBM-10-2438
Supplier Catalog Number	10-2438
Alternative Catalog Number	FBM-10-2438-5MG,FBM-10-2438-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	PDE2 inhibitor...
Molecular Weight	313.83
Purity	98% by HPLC NMR (Confirms)
Form	Pale yellow or off-white solid
CAS Number	[51350-19-7]
Formula	C <sub>14</sub> H <sub>23</sub> N <sub>5</sub> O HCl
Application Notes	<p>EHNA inhibits phosphodiesterase 2 (PDE2) (IC<sub>50</sub> = 0.8 - 5.5 μM in a variety of tissues and species) over PDE1, PDE3, or PDE4 (IC<sub>50</sub> values &gt; 100 μM).<sup>1,2</sup> It also inhibits adenosine deaminase (ADA), IC<sub>50</sub> = 1.2 and 1.5 μM 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>