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## Product Datasheet

### NSC405020 FBM-10-1462

Article Name	NSC405020
Biozol Catalog Number	FBM-10-1462
Supplier Catalog Number	10-1462
Alternative Catalog Number	FBM-10-1462-5MG,FBM-10-1462-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	MT1-MMP inhibitor...
Molecular Weight	260.15
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[7497-07-6]
Formula	C <sub>12</sub> H <sub>15</sub> NCI <sub>2</sub> O
Application Notes	<p>Membrane type-1 matrix metalloproteinase (MMP14 or MT1-MMP) inhibitor that prevents homodimerization and inhibits MMP14s protumorigenic activity in vivo. (IC<sub>50</sub> &gt; 100 μM). Inhibition is via interaction with the hemopexin domain (PEX) of MMP14. NSC-405020 does not interfere with the catalytic activity of MT1-MMP or MMP-2. Suppresses bone erosion in a c-Fos-deficient mouse model.<sup>2</sup> Decreases arsenic-mediated invasion of human squamous cell carcinoma HSC5 cells.<sup>3</sup></p>