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## Product Datasheet

### Piericidin A, CAS [[2738-64-9]] FBM-10-3467

Article Name	Piericidin A, CAS [[2738-64-9]]
Biozol Catalog Number	FBM-10-3467
Supplier Catalog Number	10-3467
Alternative Catalog Number	FBM-10-3467-200UG,FBM-10-3467-1MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mitochondrial complex I inhibitor...
Molecular Weight	415.57
Purity	94% by HPLC NMR (Conforms)
Form	Yellow solid
CAS Number	[2738-64-9]
Formula	C <sub>25</sub> H <sub>37</sub> N <sub>O</sub> <sub>4</sub>
Application Notes	A potent inhibitor of the mitochondrial and bacterial type I NADH-ubiquinone oxidoreductase (complex I). <sup>1</sup> Piericidin A is a ubiquinone analog which binds to the ubiquinone binding site of the enzyme. <sup>2</sup> It is an extremely useful tool for exploring the role of complex I in mitochondrial function in both normal and pathophysiology. <sup>3-5</sup> Prevents upregulation of GRP78 and induces cell death in glucose-deprived, etoposide-resistant HT-29 cells (IC <sub>50</sub> =7.7 nM). <sup>6</sup>