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Product Datasheet

2-AAPA, CAS [[1133387-90-2]]

FBM-10-3238

Article Name	2-AAPA, CAS [[1133387-90-2]]
Biozol Catalog Number	FBM-10-3238
Supplier Catalog Number	10-3238
Alternative Catalog Number	FBM-10-3238-5MG, FBM-10-3238-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Glutathione and thioredoxin reductase inhibitor...
Molecular Weight	518.65
Purity	98% by HPLC
Form	White or off-white solid
CAS Number	[1133387-90-2]
Formula	C18H22N4O6S4
Application Notes	Inhibits glutathione reductase and thioredoxin reductase, IC50s=6.7 and 8.7 μ M respectively, and impairs mitochondrial function. ¹ May be used to induce a cellular model of thiol oxidative stress. ² Enhances sensitivity of cancer cell lines to X-ray irradiation. ³ Induces G2/M cell cycle arrest by inducing thiol oxidative stress resulting in alpha-tubulin S-glutathionylation-mediated microtubule depolymerization. ⁴ Improves limb revascularization by glutathionylation and subsequent stabilization of HIF-1alpha. ⁵