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Product Datasheet

Hydroxyurea, CAS [[127-07-1]] FBM-10-3510

Article Name	Hydroxyurea, CAS [[127-07-1]]
Biozol Catalog Number	FBM-10-3510
Supplier Catalog Number	10-3510
Alternative Catalog Number	FBM-10-3510-5G,FBM-10-3510-25G
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Anticancer agent...
Molecular Weight	76.06
Purity	98% by HPLC, NMR (Conforms)
Form	White solid
CAS Number	[127-07-1]
Formula	CH4N2O2
Application Notes	<p>Readily oxidized in vivo to free radical forms, which destroy the stable tyrosyl free radical of the metalloenzyme ribonucleotide reductase, suppressing deoxyribonucleotide production and blocking DNA synthesis and repair.^{1,2} Reduces cell proliferation, and causes S-phase arrest and death.³ Induces p53-dependent NF-kappaB target gene expression in U2OS cells expressing HA-RelA.⁴ Stimulates fetal hemoglobin production in vitro and in vivo.⁵ Allows for S phase enrichment of CHO cells with maintenance of viability for enhanced site-specific genome engineering.⁶ Anticancer and antiviral agent.</p>