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Product Datasheet

Levetiracetam, CAS [[102767-28-2]]

FBM-10-2040

Article Name	Levetiracetam, CAS [[102767-28-2]]
Biozol Catalog Number	FBM-10-2040
Supplier Catalog Number	10-2040
Alternative Catalog Number	FBM-10-2040-10MG, FBM-10-2040-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Anticonvulsant...
Molecular Weight	170.21
Purity	98% by HPLC NMR (conforms)
Form	White solid
CAS Number	[102767-28-2]
Formula	C29H14N2O2
Application Notes	Levetiracetam is a clinically useful non-classical anticonvulsant. ¹ It has no effect on voltage-dependent Na ⁺ channels, GABAergic transmission, or affinity for either GABAergic or glutaminergic receptors. ^{2,3} Levetiracetam is believed to act via binding to the synaptic vesicle protein SV2A. ⁴ Levetiracetam reduced intraneuronal Ca ²⁺ levels by inhibition of ryanodine and IP ₃ receptor-dependent Ca ²⁺ release from the endoplasmic reticulum. ⁵ It was also observed to lower the pH of neocortical pyramidal cells via weakening of the transmembrane HCO ₃ (-)–mediated acid-extrusion. ⁶