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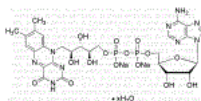
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number	00151
Product	Flavin adenine dinucleotide disodium salt FAD•2Na hydrate Riboflavin 5'-adenosine diphosphate disodium salt hydrate
CAS Number	84366-81-4
Molecular Formula	C ₂₇ H ₃₁ N ₉ O ₁₅ P ₂ Na ₂
Molecular Weight	829.52

Appearance	Yellow-orange powder
Appearance of Solution	Clear, yellow orange solution (C=20 mg/mL in water)
Heavy Metals	≤ 10 ppm
Water Content (Karl Fisher)	≤ 10%
pH	5.5 - 6.5
Optical Rotation	[α] _D ²⁰ = -21.0 to -25.5 ° (C=20 mg/mL in H ₂ O)
Infrared Spectrum	Conforms to structure
UV Ratios	Abs. max at 450 nm, e = 11.300 ± 4%, pH 7
Assay (anhydrous basis)	99 - 101% (Spectrophotometry)
Storage	Store at ≤ -4 °C

For Laboratory Use Only