

C20:4 anandamide (AEA)

5Z,8Z,11Z,14Z-eicosatetraenoylethanolamide

870430O-5MG
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Molecular Weight	347.535
Chemical Formula	C ₂₂ H ₃₇ NO ₂
Physical State	Neat Oil
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	6193OHA016
Avanti Lot Number	870430O-5MG-A-016

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Neat Oil: Clear, near colorless oil with no foreign matter	Pass
TLC (95:5 Chloroform: Methanol)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
UV Oxidation	NMT 5% total wavelengths	0.32% total
Mass Spectroscopy	[M+H] ⁺ = 348.5 ± 1 amu	[M+H] ⁺ = 348.3 amu

Approved By:



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