

Client:

Test:

Client: Justin Tanger (NHNootropics) Report No.: TR 054-036B Date: Apr. 12, 2024 Page : 1

Receipt Date:4/11/2024 Analysis Date:4/12/2024

Matrix: Blue Powder Number of samples: 1

Certificate of Analysis

Test Screen

Report Date:

Identity: GHK-Cu *

Sample Name: GHK-Cu

Lot#: GT1

4/12/2024

Identity

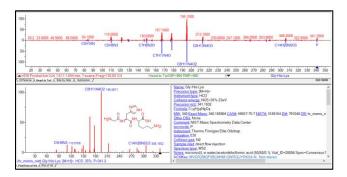
(Other names: Glycylhistidyllysine, 6-amino-2-[[2-[(2-aminoacetyl)amino]-3-(1H-imidazol-5-yl)propanoyl]amino]hexanoic acid, Copper Peptide(GHK-Cu, GHK-Copper), (2S)-2-[[(2S)-2-[(2-aminoacetyl)amino]-3-(1H-imidazol-5-yl)propanoyl]amino]-6-azaniumylhexanoate, MFCD00036754)

Data

Mass Spectrum

×10.4	-ESI Scan 2 (rt. 1.605-2.255 min, 30 scans) Frag-135.0V 20240412_MS2_posneg_GHK_LotGT1_Purity.d Subtract	x10 5 +ESI Scan1 (rt 1 594-2 244 min, 30 scane) Frag-135 0/ 20240412_MS2_posneg_GHK_LotGT1_Purity.d Subtract
1.5 1.25		35- 3
1	[M-H] ⁻ Negative Mode	25- Positive Mode
0.75	[MeCu]	15- IM+H]*
0.25		2342 2342 2342 2342 2342 2342
0	50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 100 1150 1200 1250 1300 1350 1400 1450 1500	0 10 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1250 1250 1250 1350 1400 1450 1500

MSMS ID



Justin Tanger (NHNootropics)

Expected Mass: 369.1 (g/mol)

Observed Mass: 369.1 (g/mol)

*unbound Cu (apo) compound identity confirmed since analytical conditions are denaturing and cannot identify bound metal ions Reviewed and Approved By:

Herman Lelie

Herman Lelie Ph.D Director of R&D

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