

Cat. No.: GC52100

Cas. No. 1228255-42-2

[illegible]

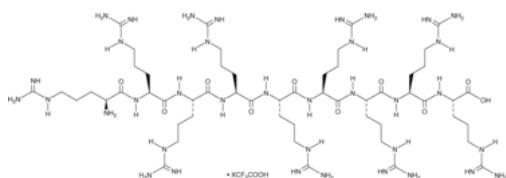
Formula	C54H110N36O10 • XCF3COOH	M.Wt	1423.7
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Solubility	DMSO: Slightly soluble, PBS (pH 7.2): 5 mg/ml	Storage	-20°C
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General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
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Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.
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Structure



(Arg)₉ is a cationic cell-penetrating peptide.^{1,2} It has been used to deliver various cargo to cells, including fluorescent proteins and plasmids. (Arg)₉ (5 and 10 μM) also protects primary rat cortical neurons from glutamate-induced excitotoxicity.³

1.Chang, M., Chou, J.-C., and Lee, H.-J.Cellular internalization of fluorescent proteins via arginine-rich intracellular delivery peptide in plant cellsPlant Cell Physiol.46(3)482-488(2005) 2.Lee, C.-Y., Li, J.-F., Liou, J.-S., et al.A gene delivery system for human cells mediated by both a cell-penetrating peptide and a piggyBac transposaseBiomaterials32(26)6264-6276(2011) 3.Meloni, B.P., Brookes, L.M., Clark, V.W., et al.Poly-arginine and arginine-rich peptides are neuroprotective in stroke

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@qlpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

modelsJ. Cereb. Blood Flow Metab.35(6)993-1004(2015)

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