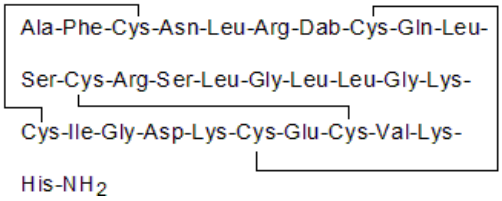
Product Data Sheet

Product Name: Lei-Dab 7
Cat. No.: GC50207

Chemical Properties

Cas. No.	1061556-49-7		
Formula	$C_{141}H_{236}N_{46}O_{39}S_6$	M.Wt	3392.06
Solubility	Soluble in DMSO	Storage	Store at -20°C
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.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

High affinity, selective KCa2.2 (SK2) channel blocker (Kd = 3.8 nM). Exhibits >200-fold selectivity for KCa2.2 over KCa2.1, KCa2.3, KCa3.1, IK, Kv and Kir2.1. Increases theta-burst responses and increases LTP in rat hippocampal slices in vitro. Convulsive in vivo.

Shakkottai et al (2001) Design and characterization of a highly selective peptide inhibitor of the small conductance calcium-activated K+ channel, SkCa2. J.Biol.Chem. 276 43145 PMID:11527975 |Kramar et al (2004) A novel mechanism for the facilitation of theta-induced long-term potentiation by brain-derived neurotrophic factor. J.Neurosci. 24 5151 PMID:15175384 |Kasumu et al (2012) Selective positive modulator of calcium-activated potassium channels exerts beneficial effects in a mouse model of spinocerebellar ataxia type 2. Chem.Biol. 19 1340 PMID:23102227

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