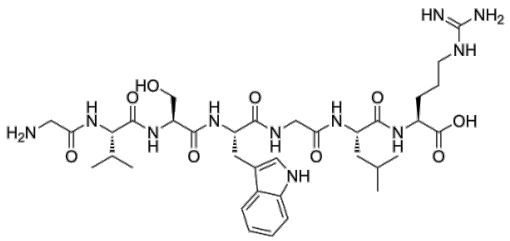
Product Data Sheet

Product Name: PE 22-28
Cat. No.: GC72194

Chemical Properties

Cas. No.	1801959-12-5		
Formula	$C_{35}H_{55}N_{11}O_9$	M.Wt	773.88
Solubility		Storage	
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

PE 22-28 is a TREK-1 inhibitor with IC50 value of 0.12 nM. PE 22-28 also is a 7 amino-acid peptide that is used as a core sequence for preparing analogs by chemical modifications and also by substitution of amino-acids. PE 22-28 can be used for the research of depression.

PE 22-28 displays good specificity and affinity for TREK-1 channel with IC_{50} value of 0.12 nM[1].

PE 22-28 (i.p.; 3.0μg/kg) shows antidepressant property[1].

References:

Caution: Product has not been fully validated for medical applications. For research use only.
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[1]. Alaeddine Djillani, et al. Shortened Spadin Analogs Display Better TREK-1 Inhibition, In Vivo Stability and Antidepressant Activity. Front Pharmacol. 2017 Sep 12;8:643.

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