Product Data Sheet

Product Name: SOR-C13
Cat. No.: GC74344

Chemical Properties

Cas. No.	1187852-48-7		
Formula	$C_{72}H_{116}N_{20}O_{19}$	M.Wt	1565.81
Solubility		Storage	Store at -20°C, away from moisture
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			

Lys-Glu-Phe-Leu-His-Pro-Ser-Lys-Val-
Asp-Leu-Pro-Arg

Background

SOR-C13, a carboxy-terminal truncated peptide, is a high-affinity TRPV6 antagonist with an IC50 value of 14 nM. TRPV6 is a non-voltage gated calcium channel that is associated with malignancy and poor prognosis in breast cancer. SOR-C13 has anticancer activity.

SOR-C13 (i.p.; 400,600, 800 mg/kg; daily; on days 1 to 12) can effectively inhibit the growth of tumor in female NOD/SCID mice with SKOV-3 cell[2].

References:
[1]. S Fu, et al. Erratum to: First-in-human phase I study of SOR-C13, a TRPV6 calcium channel

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inhibitor, in patients with advanced solid tumors. Invest New Drugs. 2017 Jun;35(3):397.
[2]. Hui Xue, et al. Inhibition of Transient Receptor Potential Vanilloid 6 channel, elevated in human ovarian cancers, reduces tumour growth in a xenograft model. J Cancer. 2018 Aug 6;9(17):3196-3207.

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