Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



# **DATASHEET**

SOR-C13

#### **Product overview**

 Name
 SOR-C13

 Cat No
 HB9294

**Biological description** High affinity, use-dependent hTRPV6 antagonist (IC<sub>50</sub> =14nM). SOR-C13 is a carboxy terminal

truncated peptide derived from soricidin, a 54 residue paralytic peptide found in *Blarina brevicauda* 

venom. It reduces growth of human ovarian xenografts in vivo in NOD/SCID mouse models.

**Biological action** Antagonist **Purity** >95%

**Description** TRPV6 antagonist

## **Solubility & Handling**

Storage instructions -20°C

Solubility overview Soluble in aqueous buffer

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use

## **Chemical Data**

 $\begin{tabular}{lll} \textbf{Molecular Weight} & 1565.81 \\ \textbf{Molecular Formula} & C_{72}H_{116}N_{20}O_{19} \\ \textbf{Sequence (one letter)} & KEFLHPSKVDLPR \\ \end{tabular}$ 

Sequence (three letter) H-Lys-Glu-Phe-Leu-His-Pro-Ser-Lys-Val-Asp-Leu-Pro-Arg-OH

**CAS Number** 1187852-48-7 **PubChem identifier** 121596688

InChiKey LGANPTNILMNMES-TVNHODDRSA-N

### References

In vivo detection of human TRPV6-rich tumors with anti-cancer peptides derived from soricidin.

Bowen CV et al (2013) PloS one 8

PubMedID 23554944

Inhibition of Transient Receptor Potential Vanilloid 6 channel, elevated in human ovarian cancers, reduces tumour growth in a xenograft model.

Xue H et al (2018) Journal of Cancer 9

PubMedID 30210643