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DATASHEET

SOR-C13

Product overview

Name	SOR-C13
Cat No	HB9294
Biological description	High affinity, use-dependent hTRPV6 antagonist ($IC_{50} = 14nM$). SOR-C13 is a carboxy terminal truncated peptide derived from soricidin, a 54 residue paralytic peptide found in <i>Blarina brevicauda</i> venom. It reduces growth of human ovarian xenografts <i>in vivo</i> 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

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

Molecular Weight	1565.81
Molecular Formula	$C_{72}H_{116}N_{20}O_{19}$
Sequence (one letter)	KEFLHPSKVLDLPR
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](#)

