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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

Chemical Data

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