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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SOR-C13 TFA
Cat. No.	:	PC-22127
CAS No.	:	1187852-48-7 (free acid)
Molecular Formula	:	$C_{72}H_{116}N_{20}O_{19}.xC_2HF_3O_2$
Molecular Weight	:	1565.81 (free acid)
Target	:	TRP Channel
Solubility	:	10 mM in DMSO

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

CAS: 1187852-48-7 (free acid)

Biological Activity

SOR-C13 TFA, a carboxy-terminal truncated peptide, is a high-affinity, selective TRPV6 calcium channel inhibitor with IC50 of 14 nM.
SOR-C13 binds to TRPV6 in ovarian cancer cells with high affinity.
SOR-C13 inhibit calcium influx in TRPV6 over-expressing cells and is more effective at reducing cell viability than cis-Platin.
SOR-C13 (400, 600 and 800 mg/kg, daily i.p.) over 12 days significantly reduces ovarian tumour growth in NOD/SCID mice bearing xenografted ovarian tumours.

References

Bowen CV, et al. PLoS One. 2013;8(3):e58866.

Xue H, et al. J Cancer. 2018 Aug 6;9(17):3196-3207.

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