

Product Information

TRP channel inhibitor GsMTx4, Purity ≥98%

Cat. No.: X24-07-ZQ483

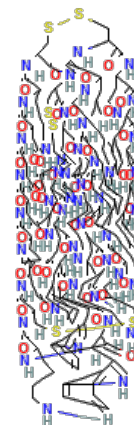
Size: 0.5 mg; 1 mg; 2 mg; 5 mg

CAS Number: 1209500-46-8

Compound CID: 90488987

Synonym: 1209500-46-8; TRP channel inhibitor; GsMTx-4

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	GsMTx4 modulates the function of TRP channels, which are crucial for various physiological processes including sensation and thermoregulation.
Molecular Weight	4095.87
Molecular Formula	C ₁₈₅ H ₂₇ N ₄₉ O ₄₅ S ₆
IUPAC Name	3-[77-[(2-Aminoacetyl)amino]-30-[[4-amino-1-[[1-[[1-[(1-amino-1-oxo-3-phenylpropan-2-yl)amino]-3-hydroxy-1-oxopropan-2-yl]amino]-1-oxo-3-phenylpropan-2-yl]amino]-1,4-dioxobutan-2-yl]carbamoyl]-22,36,45,54,60,95-hexakis(4-aminobutyl)-4,13-bis(2-amino-2-oxoethyl)-39,86-dibenzyl-69-(3-carbamimidamidopropyl)-16,19-bis(carboxymethyl)-48-(hydroxymethyl)-89,92-bis(1H-indol-3-ylmethyl)-33,42,57,80-tetrakis(2-methylpropyl)-2,3a,5,11,14,17,20,23,32,35,38,41,44,47,50,53,56,59,62,68,71,78,81,84,87,90,93,96-octacosaoxo-a,27,28,74,75,99-hexathia-2a,3,6,12,15,18,21,24,31,34,37,40,43,46,49,52,55,58,61,67,70,79,82,85,88,91,94,97-octacosazapentacyclo[49.46.4.22.5.72.06.10.063.67]trihectan-83-yl]propanoic acid
InChI	InChI=1S/C185H27N49O45S6/c1-98(2)72-121-160(255)203-114(54-27-33-65-188)156(251)229-141-96-284-283-95-140-178(273)225-134(84-147(195)239)184(279)234-71-39-60-144(234)182(277)224-131(83-146(194)238)170(265)222-133(86-151(245)246)172(267)223-132(85-150(243)244)171(266)206-116(56-29-35-67-190)158(253)230-142(97-285-282-94-139(177(272)221-130(82-145(193)237)169(264)218-127(79-105-46-19-12-20-47-105)166(261)226-136(91-236)174(269)211-120(152(196)247)76-102-40-13-9-14-41-102)231-163(258)124(75-101(7)8)214-153(248)112(52-25-31-63-186)204-164(259)125(77-103-42-15-10-16-43-103)217-162(257)123(74-100(5)6)213-154(249)113(53-26-32-64-187)207-173(268)135(90-235)227-179(141)274)180(275)232-138(176(271)210-119(58-37-69-199-185(197)198)183(278)233-70-38-59-143(233)181(276)209-117(155(250)212-121)57-30-36-



68-191)93-281-280-92-137(202-148(240)87-192)175(270)215-122(73-99(3)4)161(256)208-118(61-62-149(241)242)159(254)216-126(78-104-44-17-11-18-45-104)165(260)219-129(81-107-89-201-111-51-24-22-49-109(107)111)168(263)220-128(80-106-88-200-110-50-23-21-48-108(106)110)167(262)205-115(157(252)228-140)55-28-34-66-189/h9-24,40-51,88-89,98-101,112-144,200-201,235-236H,25-39,52-87,90-97,186-192H₂,1-8H₃, (H₂,193,237)(H₂,194,238)(H₂,195,239)(H₂,196,247)(H₂,202,240)(H₂,203,255)(H₂,204,259)(H₂,205,262)(H₂,206,266)(H₂,207,268)(H₂,208,256)(H₂,209,276)(H₂,210,271)(H₂,211,269)(H₂,212,250)(H₂,213,249)(H₂,214,248)(H₂,215,270)(H₂,216,254)(H₂,217,257)(H₂,218,264)(H₂,219,260)(H₂,220,263)(H₂,221,272)(H₂,222,265)(H₂,223,267)(H₂,224,277)(H₂,225,273)(H₂,226,261)(H₂,227,274)(H₂,228,252)(H₂,229,251)(H₂,230,253)(H₂,231,258)(H₂,232,275)(H₂,241,242)(H₂,243,244)(H₂,245,246)(H₄,197,198,199)

InChI Key	WVDNTWXIIKNMHY-UHFFFAOYSA-N
Canonical SMILES	<chem>CC(C)CC1C(=O)NC(C(=O)NC(C(=O)NC(C(=O)NC(C(=O)NC(C(=O)NC(C(=O)NC2CSSCC3C(=O)NC(C(=O)NC(C(=O)NC(C(=O)NC(C(=O)NC(C(=O)NC(CSSCC(C(=O)NC(CSSCC(C(=O)N1)NC(=O)CN)C(=O)NC(C(=O)N4CCCC4C(=O)NC(C(=O)NC(C(=O)NC(C(=O)N3)CCCCN)CC(C)C)CCCCN)CC(CNC(=N)N)NC(=O)C(NC(=O)C(NC(=O)C(NC(=O)C(NC(=O)C5CCCN5C(=O)C(NC2=O)CC(=O)N)C(C(=O)N)CC(=O)O)CC(=O)O)CCCCN)C(=O)NC(CC(=O)N)C(=O)NC(CC6=CC=CC=C6)C(=O)NC(CO)C(=O)NC(CC7=CC=CC=C7)C(=O)N)CC(C)C)CCCCN)CC8=CC=CC=C8)CC(C)C)CCCCN)CO)C(CCCN)CC9=CNC1=CC=CC=C19)CC1=CNC2=CC=CC=C21)CC1=CC=CC=C1)CCC(=O)O</chem>
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	GsMTx4 is a TRP channel inhibitor utilized in research to study mechanosensitive channels and their roles in cellular response to mechanical stimuli.
Storage	Store at -20°C, and keep desiccated.