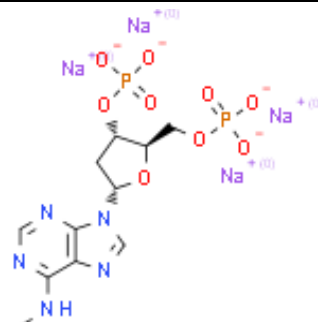


Product Data Sheet

Cas No.:	1454889-37-2	Cat. No:	PC10795
Product Name:	MRS 2179 tetrasodium salt		
Product synonym:	MRS 2179 tetrasodium salt		
Chemical name:	MRS 2179 tetrasodium salt		
MF:	C11H13N5NA4O9P2	FW:	513.155627012253
Purity:	≥98%（HPLC）	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	[Na+].[Na+].[Na+].[Na+].CNC1N=CN=C2N([C@@H]3C[C@H](OP([O-])(=O)[O-])[C@@H](COP([O-])(=O)[O-])O3)C=NC=12		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

P2Y1受体的竞争性拮抗剂,MRS 2179是一种有效的,选择性的,竞争性的P2Y1受体拮抗剂,Kb为100 nM; 在P2Y2, P2Y4或P2Y6受体 (≥30 μM) 上没有显示出明显的活性; 抑制ADP诱导的血小板形状变化, 聚集和Ca²⁺升高但没有对ADP诱导的腺苷酸环化酶抑制的影响; 降低小鼠的血小板计数。 化学名: 2'-Deoxy-N6-methyladenosine 3',5'-bisphosphate tetrasodium salt 生物活性: MRS 2179 tetrasodium salt is a competitive antagonist at P2Y1 receptors (KB = 100 nM). Selective over P2X1 (IC₅₀ = 1.15 μM), P2X3 (IC₅₀ = 12.9 μM), P2X2, P2X4, P2Y2, P2Y4 and P2Y6 receptors. Inhibits the upregulation of NTPDase1 by ATPγS. 技术参数: 分子量513.16 公式C₁₁H₁₃N₅O₉P₂Na₄ 储存Store at -20℃ 纯度≥98% (HPLC) CAS Number1454889-37-2 Physical Appearance: White solid Solubility: water to 50 mM <table id="solubility_tbl" class="table-bordered" style="border-spacing: 0px; border-collapse: collapse; width: 782px; max-width: 100%; margin-bottom: 0px; border: 1px solid #333333; font-family: arial, sans-serif; font-size: 14px; text-indent: 0px; height: 45px;">
| | |

溶剂: <table id="solubility_text" class="table-bordered" style="border-spacing: 0px; border-collapse: collapse; width: 782px; max-width: 100%; margin-bottom: 0px; border: 1px solid #333333; font-family: arial, sans-serif; font-size: 14px; text-indent: 0px; height: 45px;">
| | |

最高浓度 mg/mL<table id="solubility_text" class="table-bordered" style="border-spacing: 0px; border-collapse: collapse; width: 782px; max-width: 100%; margin-bottom: 0px; border: 1px solid #333333; font-family: arial, sans-serif; font-size: 14px; text-indent: 0px; height: 45px;">
| | |

最高浓度 mM<table id="solubility_text" class="table-bordered" style="border-spacing: 0px; border-collapse: collapse; width: 782px; max-width: 100%; margin-bottom: 0px; border: 1px solid #333333; font-family: arial, sans-serif; font-size: 14px; text-indent: 0px; height: 45px;">
| | |

溶解性: <table id="solubility_text" class="table-bordered" style="border-spacing: 0px; border-collapse: collapse; width: 782px; max-width: 100%; margin-bottom: 0px; border: 1px solid #333333; font-family: arial, sans-serif; font-size: 14px; text-indent: 0px; height: 45px;">
| | |

water

font-weight: bold;">>Brown <em style="box-sizing: border-box;">et al <div style="box-sizing: border-box; background-color: transparent; text-decoration-line: none; color: #7092b1 !important;" title="View abstract" href="https://www.ncbi.nlm.nih.gov/pubmed/22791931" rel="nofollow" target="_blank">Activity of novel adenine nucleotide derivatives as agonists and antagonists at recombinant rat P2X receptors. Drug Dev.Res. <em style="box-sizing: border-box;">49 <em style="box-sizing: border-box;">et al <div style="box-sizing: border-box; background-color: transparent; text-decoration-line: none; color: #7092b1 !important;" title="View abstract" href="https://www.ncbi.nlm.nih.gov/pubmed/10229631" rel="nofollow" target="_blank">Structure-activity relationships of bisphosphate nucleotide derivatives as P2Y <em style="box-sizing: border-box;">42 1625 PMID: 10229631