

Product datasheet

Ruthenium red ab120264

1 References

概述

产品名称	Ruthenium red
描述	Ca ²⁺ signaling inhibitor
生物学描述	Ca ²⁺ signaling inhibitor. Inhibits mitochondrial Ca ²⁺ uniporter, Ca ²⁺ -ATPase, troponin C and calmodulin. Blocks intracellular Ca ²⁺ release by ryanodine receptor from internal stores. Attenuates capsaicin-induced cation channel opening. Inhibits Ca ²⁺ -induced Ca ²⁺ release from ryanodine-sensitive intracellular Ca ²⁺ stores. Blocks large-conductance Ca ²⁺ -activated potassium channels

性能

化学名称	Ammoniated ruthenium oxychloride
分子量	786.35
化学结构	$[(\text{NH}_3)_5\text{RuORu}(\text{NH}_3)_4\text{ORu}(\text{NH}_3)_5]\text{Cl}_6$
分子式	H ₄₂ N ₁₄ O ₂ Ru ₃ Cl ₆
CAS编号	11103-72-3
存放说明	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in water to 10 mM
处理	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	N.N.N.N.N.N.N.N.N.N.N.N.N.N.N.N.O=[Ru]([Ru])[Ru]=O.CICI(CI)CI(CI)CI
来源	Synthetic

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