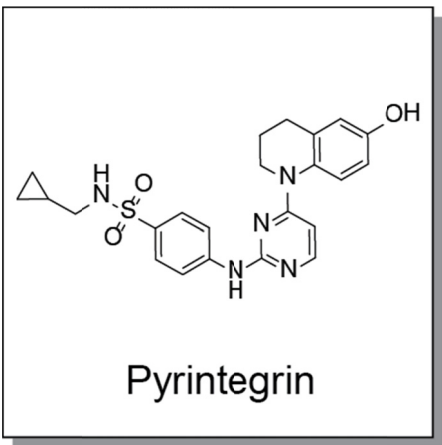




Product Specification Sheet

Product Name:	Pyrintegrin	 <p>Pyrintegrin</p>
Catalog Number:	C7974-1 (powder) C7974-1s (10 mM in DMSO)	
Package Size:	1 mg	
Technical information:		
Chemical Formula:	C ₂₃ H ₂₅ N ₅ O ₃ S	
CAS #:	N/A	
Molecular Weight:	451.54	
Purity:	>98%	
Formulation:	Pale solid	
Solubility:	Soluble in DMSO up to 100 mM	
Chemical Name:	N-(cyclopropylmethyl)-4-((4-(6-hydroxy-3,4-dihydroquinolin-1(2H)-yl)pyrimidin-2-yl)amino)benzenesulfonamide	
Storage:	Store solid powder at 4°C desiccated; Store DMSO solution at -20°C.	
Handling:	<ul style="list-style-type: none">For C7974-1 (powder), add 221 µL of DMSO to make 10 mM solution.For C7974-1s, before open the vial, centrifuge the vial at 500rpm x 1 min in a 50 mL conical tube to ensure full recovery of sample.	
Biological Activity:	Pyrintegrin is a selective, cell permeable, small molecule that was identified to help in promoting human embryonic stem cell (hESC) survival by > 30-fold. The dramatic increase in cell survival has been attributed to the protection of the cell surface protein e-cadherin from damage by Pyrintegrin.	
Reference:	1. Xu, Y., Zhu, X. et al. 2010. Revealing a core signaling regulatory mechanism for pluripotent stem cell survival and self-renewal by small molecules. PNAS 107(18): 8129-8134.	

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