

Product Name:	Quinolactacin A1
Product Number:	Q006
CAS Number:	815576-68-2
Molecular Formula:	$C_{16}H_{18}N_2O_2$
Molecular Weight:	270.3
Appearance:	White Powder
Description:	<p>Quinolactacin A1 is the dominant analogue of a family of quinolone metabolites produced by <i>Penicillium citrinum</i>. Quinolactacin A1 rapidly epimerises to equilibrate with its diastereomer quinolactacin A2 in protic solvents. The mixture has been shown to inhibit acetylcholinesterase and TNF production.</p> <p>Quinolactacin A1 is soluble in ethanol, methanol, DMF and DMSO.</p>
References:	<p>Biosynthesis of quinolactacin A, a TNF production inhibitor. Sasaki T. et al. <i>J Antibiot.</i> 2006, 59, 418.</p> <p>Quinolactacins A1 and A2, new acetylcholinesterase inhibitors from <i>Penicillium citrinum</i>. Kim W.G. et al. <i>J Antibiot.</i> 2001, 54, 831.</p> <p>Quinolactacins A, B and C: novel quinolone compounds from <i>Penicillium</i> sp. EPF-6. I. Taxonomy, production, isolation and biological properties. Kakinuma N. et al. <i>J Antibiot.</i> 2000, 53,1247.</p> <p>Clark B. et al. Quinolactacins revisited: from lactams to imides and beyond. <i>Org Biomol Chem.</i> 2006, 4, 1512.</p>