

Product Name:	Zaragozic acid A
Product Number:	Z006
CAS Number:	142561-96-4
Molecular Formula:	$C_{35}H_{46}O_{14}$
Molecular Weight:	690.7
Appearance:	White to light tan solid
Storage Conditions:	-20°C
Description:	<p>Zaragozic acid A is the major metabolite of a class of unusual bicyclic tricarboxylic acids, produced by a number of fungi in the genera <i>Curvularia</i>, <i>Exserohilum</i>, <i>Setosphaeria</i> and others, discovered at Merck and Glaxo in the early 1990s. Zaragozic acid A is presented as the free acid rather than the tri-sodium salt to avoid stability problems associated with hydrolysis of the salt.</p> <p>Zaragozic acid A is soluble in ethanol, methanol, DMF and DMSO.</p>
Mechanism of Action:	<p>Zaragozic acid A is an inhibitor of squalene synthase, an enzyme involved in sterol biosynthesis.</p>
References:	<p>The zaragozic acids. A family of fungal metabolites that are picomolar competitive inhibitors of squalene synthase. Bergstrom J.D. et al. <i>Proc. Nat. Acad. Sci.</i> 1993, 90, 80.</p> <p>Distribution of zaragozic acids (squalestatins) among filamentous ascomycetes. Bills G.F. <i>Mycol. Res.</i> 1994, 98, 733-739.</p>