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Certificate Of Analysis

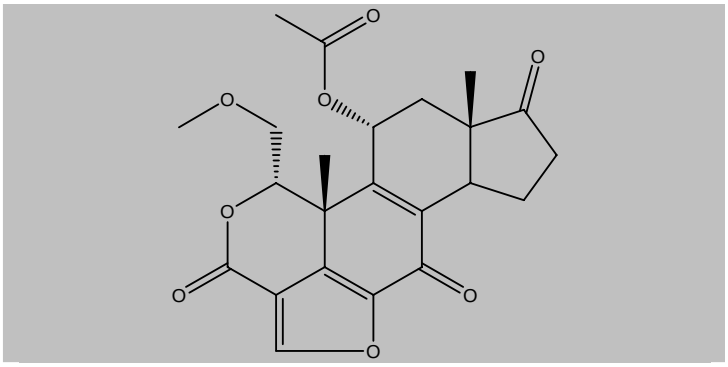
Quality Control Testing and Research Application

COA Preparation Date: 08/01/2007
COA Revision Date: 08/01/2010

Product:	**Wortmannin**
Cat. No:	BS0205
Batch No:	0205BS/01
Chemical Name:	(1*S*,6br,9a*S*,11*R*,11b*R*) 11-(Acetyloxy)-1,6b,7,8,9a,10,11,11b-octahydro-1-(methoxymethyl)-9a,11b-dimethyl-3*H*-furo[4,3,2-de]indeno[4,5,-h]-2-h]-2-benzopyran-3,6,9-trione; SL 2052

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	$C_{23}H_{24}O_8$
Batch Molecular Weight:	428.43
CAS No:	[19545-26-7]
Physical Appearance:	White to off-white powder
Melting Point (°C):	238 - 239
Solubility:	Soluble to 50 mM in DMSO or to 5 mM in ethanol
Storage:	Desiccate at -20° C
Batch Molecular Structure:	



Product Description: **Potent, selective, cell-permeable and irreversible inhibitor of phosphatidylinositol 3-kinase (PI 3-kinase) (IC_{50} = 2-4 µM), that binds to the ATP site of the enzyme.**

References:

1. Arcaro and Wymann (1993) Biochem J 296:297; 2. Powis et al. (1994) Cancer Res 54:2419; 3. Schultz et al. (1995) Anticancer Res 15:1135; 4. Norman et al. (1996) J Med Chem 39:1106; 5. Hazeki et al. (1996) J Lipid Mediat Cell Signal 14:259; 6. Hazeki et al. (2006) Mol Pharmacol 69:1717

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BS0205 Wortmannin

2. ANALYTICAL DATA

HPLC:	corresponds to the reference
MS:	corresponds to the reference M.W. 428.43 (theoretical); M.W. 428.4 (found)
Tests:	Heavy Metals: < 20 PPM (complies); HPLC Assay: > 99% (complies).