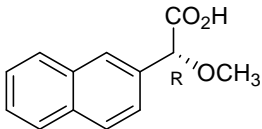


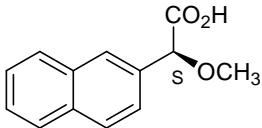
2-Naphthylmethoxyacetic Acids

"Determination of Absolute Configurations of Carbinols of Annonaceous Acetogenins with 2-Naphthylmethoxyacetic Acid Esters"

Philippe Duret, Anne-Isabelle Waechter, Bruno Figadère#, Reynald Hocquemiller, and André Cavé, *J. Org. Chem.*, **1998**, *63*(14), 4717-4720

Structural elucidation of absolute configurations of the stereogenic centers of acetogenins of Annonaceae was performed using the modified Mosher's method. Thus, by replacing MTPA (methoxytrifluoromethylphenylacetic acid) by 2-NMA (naphthylmethoxyacetic acid), we were able to determine the absolute configuration of the stereogenic centers of rolliniastatin-2 by simple analysis of the ¹H NMR spectra recorded at 400 MHz. Indeed, by comparing the differences of chemical shifts between the MTPA esters with those obtained with 2-NMA esters, we showed that we could take advantage of the long-range anisotropic effect of the naphthyl ring for the elucidation of the unsymmetrical systems.

2-Naphtaleneacetic acid, α-methoxy-, (αR)- 98%		
CAS[156942-67-5]	FW: 216.08	C₁₃H₁₂O₃
$[\alpha]_{20}^D$ -170.0 (c=0.1 MeOH)		
		
AC001-SA0010	25 mG	52.00 €+ port
AC001-SA0025	50 mG	100.00 €+ port
AC001-SA0100	100 mG	190.00 €+ port

2-Naphtaleneacetic acid, α-methoxy-, (αS)- 97%		
CAS[157134-51-5]	FW: 216.08	C₁₃H₁₂O₃
$[\alpha]_{20}^D$ +170.0 (c=0.1 MeOH)		
		
AC001-SA0010	25 mG	56.00 €+ port
AC001-SA0025	50 mG	110.00 €+ port
AC001-SA0100	100 mG	200.00 €+ port