

# Mulinane-type diterpenoids from *Azorella compacta* display antiplasmodial activity

Loyola, Luis A.

Bórquez, Jorge

Morales, Glauco

San-Martín, Aurelio

Darias, Jose

Flores, Ninoska

Giménez, Alberto

Two mulinane-type diterpenoids were isolated from *Azorella compacta*; namely 20-hydroxymulin-11,13-dienyl acetate and 13,14-dihydroxymulin-11-en-20-oic acid. The structures were elucidated by analysis of their spectroscopic data. These compounds, as well as three previously isolated diterpenes, were evaluated as potential *in vivo* growth inhibitors of *Plasmodium berghei* NK 65 on infected mice at an intraperitoneal dose of 10 mg/kg/day. Sixty percent and forty-two percent growth inhibition were obtained with 17-acetoxymulin-11,13-dien-20-oic acid and 13, 14-dihydroxymulin-11-en-20-oic acid, respectively. © 2004 Elsevier Ltd. All rights reserved.