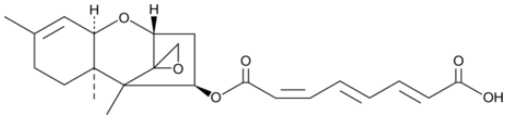
Product Data Sheet

Product Name: Harzianum A
Cat. No.: GC45467

Chemical Properties

Cas. No.	156250-74-7		
SMILES	CC1=C[C@]2([H])[C@](C3(C)C4(OC4)[C@](C[C@H]3OC(/C=C\C=C\C=C\C(O)=O)=O)([H])O2)(C)CC1		
Formula	C23H28O6	M.Wt	400.5
Solubility	DMSO: soluble,Ethanol: soluble,Methanol: soluble	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

Harzianum A is a trichothecene fungal metabolite originally isolated from T. harzianum.1 It is cytotoxic to HeLa, MCF-7, and HT-1080 cells (IC50s = 5.07, 10.13, and 0.65 µg/ml, respectively) and exhibits antifungal activity against C. albicans and S. cerevisiae when used at a concentration of 100 µg/ml.1,2

References

1. Corley, D.G., Miller-Wideman, M., and Durley, R.C. Isolation and structure of harzianum A: A new trichothecene from Trichoderma harzianum. J. Nat. Prod. 57(3), 422-425 (1994).
2. Lee, H.B., Kim, Y., Jin, H.Z., et al. A new Hypocrea strain producing harzianum A cytotoxic to tumour cell lines. Lett. Appl. Microbiol. 40(6), 497-503 (2005).

Caution: Product has not been fully validated for medical applications. For research use only.
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