

Product Data Sheet

Product Name: Harzianum A

Cat. No.: GC45467

Chemical Properties

Cas. No. 156250-74-7

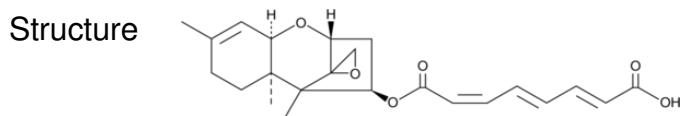
SMILES CC1=C[C@]2([H])[C@](C3(C)C4(OC4)[C@](C[C@H]3OC(/C=C\C=C\C=C\C(O)=O)=O)([H])O2)(C)CC1

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.



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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA