



Formula: C<sub>14</sub>H<sub>19</sub>NO<sub>4</sub>

MW: 265.31

CAS: 22862-76-6

TNP NUMBER: TNP00269

MDL NUMBER: MFCD06668135

IUPAC: 4-hydroxy-2-[(4-methoxyphenyl)methyl]pyrrolidin-3-yl acetate

Smiles: COc1ccc(CC2[C@H](OC(=O)C)[C@H](CN2)O)cc1

THERAPEUTIC CATEGORY: Antiprotozoal (Trichomonas)

REFERENCE: Reference Alberts, B., et al., Basic genetic mechanisms in molecular biology of the cell. Cell 3rd ed., New York, NY , 240, (1994) Faris, M., et al., The c-Jun N-terminal kinase cascade plays a role in stress-induced apoptosis in Jurkat cells by up-regulating Fas ligand expression. J. Immunol. 160, 134-144, (1998) abstract Polverino, A.J., Patterson, S.D., Selective activation of caspases during apoptotic induction in HL-60 cells. Effects of a tetrapeptide inhibitor. J. Biol. Chem. 272, 7013, (1997) abstract Zechner, D., et al., MKK6 activates myocardial cell NF-kappaB and inhibits apoptosis in a p38 mitogen-activated protein kinase-dependent manner. J. Biol. Chem. 273, 8232-8239, (1998) abstract Barros, L.F., et al., Evidence of two mechanisms for the activation of the glucose transporter GLUT1 by anisomycin: p38(MAP kinase) activation and protein synthesis inhibition in mammalian cells. J. Physiol. 504, 517-525, (1997) abstract Hoffman, M.E., et al., Inhibition of protein synthesis and amino acid transport by crystal violet in Trypanosoma cruz. J. Eukaryot. Microbiol. 42, 293-297, (1995) abstract Barancik, M., et al., Okadaic acid and anisomycin are protective and stimulate the SAPK/JNK pathway. J. Cardiovasc. Pharmacol. 34, 182-190, (1999) abstract Liao, J., et al., Stress apoptosis and mitosis induce phosphorylation of human keratin 8 at

Ser-73 in tissues and cultured cells. J. Biol. Chem. 272, 17565, (1997) abstract Merck  
Merck 13,673 Beilstein Beil. 21,V,5,523

SOURCE: Antibiotic isolated from Streptomyces griseolus

ACCEPTORS: 4

DONORS: 2

ROTATION BONDS: 2

N+O: 5

Chiral Centers: 3

LogP: 1.1

LogS: -3.36

LIPINSKI: 4

