

Product Data Sheet

Product Name: Abametapir

Cat. No.: GC46769

Chemical Properties

Cas. No. 1762-34-1

SMILES CC1=CC=C(C2=CC=C(C)C=N2)N=C1

Formula C₁₂H₁₂N₂

M.Wt 184.2

Solubility DMF: 15mg/mL, DMSO:

Storage 4°C, protect from light, stored under nitrogen

10mg/mL, Ethanol:

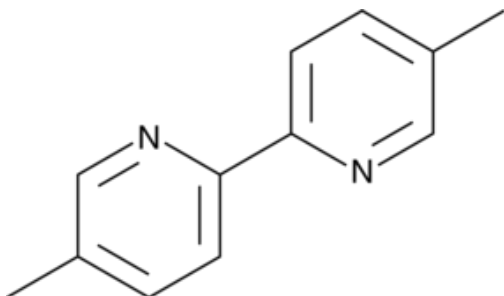
15mg/mL, Ethanol:PBS (pH 7.2)

(1:4): 0.2mg/mL

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

Abametapir is a building block and an insecticide.^{1,2,3} It has been used in the synthesis of lanthanide coordination complexes with antifungal activity against *C. albicans* and divalent vancomycin derivatives with antibacterial activity against vancomycin-resistant enterococci.^{1,2} Abametapir is ovicidal to DDT- and permethrin-resistant head louse eggs (LC₅₀s = 0.108, 0.121, and 0.16% in isopropanol for 0-2-, 3-5-, and 6-8-day-old eggs, respectively).³ Formulations containing abametapir have been used in the topical treatment of head lice infestation.

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

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1.Zhou, M.-X., Ren, N., Zhang, J.-J., et al.Synthesis, crystal structure, thermal, luminescent property and antibacterial activity of lanthanide ternary complexes with p-chlorobenzoic acid and 5,5'-dimethyl-2,2'-bipyridineJ. Mol. Struct.1200127049(2020) 2.Xing, B., Yu, C.-W., Ho, P.-L., et al.Multivalent antibiotics via metal complexes: Potent divalent vancomycins against vancomycin-resistant enterococciJ. Med. Chem.46(23)4904-4909(2003) 3.Bowles, V.M., Yoon, K.S., Barker, S.C., et al.Ovicidal efficacy of abametapir against eggs of human head and body lice (Anoplura: Pediculidae)J. Med. Entomol.54(1)167-172(2017)

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