

Product Data Sheet

Product Name: Trifloxystrobin-d6

Cat. No.: GC91195

Chemical Properties

Cas. No. 2470226-50-5

Formula $C_{20}H_{13}D_6F_3N_2O_4$

M.Wt 414.4

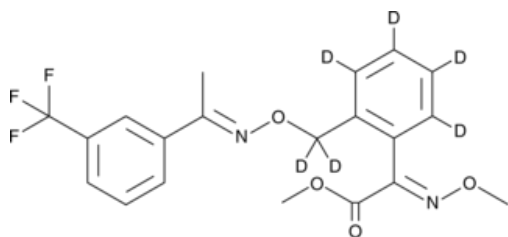
Solubility Chloroform: slightly soluble, Methanol: slightly soluble

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

Trifloxystrobin-d₆ is intended for use as an internal standard for the quantification of trifloxystrobin by GC- or LC-MS. Trifloxystrobin is a fungicide.^{1,2} It inhibits the growth of *R. solani* isolates from sugar beet crops (EC₅₀s = 0.14-823.54 µg/ml).¹ Trifloxystrobin (100-1,000 ppm) inhibits mycelial growth of *C. gloeosporioides* when used in combination with tebuconazole.² It is toxic to various aquatic species, including *R. arenarum*, *P. santafecinus*, *E. bicolor*, and *L. latrans* tadpoles (LC₅₀s = 0.22, 0.14, 0.1, and 0.26 mg/L, respectively).³ It also reduces mobility of tadpoles and decreases predation of trifloxystrobin-exposed, but not non-exposed, tadpoles by eels. Formulations containing trifloxystrobin have been used in the control of fungi in agriculture and aquatic areas.

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

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