
Product Data Sheet

Product Name: Chimonanthine

Cat. No.: GC35675

Chemical Properties

Cas. No. 5545-89-1

SMILES CN1[C@@]2([H])[C@@](C3=CC=CC=C3N2)([C@]45C6=CC=CC=C6N[C@@]4([H])N(C)CC5)CC1Formula C₂₂H₂₆N₄ M.Wt 346.47

Solubility Soluble in DMSO 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**

Chimonanthine is an alkaloid of *Chimonanthus praecox*, inhibits tyrosinase and tyrosine-related protein-1 mRNA expression, and inhibits melanogenesis[1].

[1]. Morikawa T, et al. Dimeric pyrrolidinoindoline-type alkaloids with melanogenesis inhibitory activity in flower buds of *Chimonanthus praecox*. *J Nat Med*. 2014 Jul;68(3):539-49.

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

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