

Dihydroergotamine (mesylate)

Catalog No: tcsc2903



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

6190-39-2

Formula:

$C_{34}H_{41}N_5O_8S$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

5-HT Receptor;5-HT Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 34 mg/mL (50.02 mM)

Observed Molecular Weight:

679.78

Product Description

Dihydroergotamine mesylate is an ergot alkaloid used to treat migraines.

Target: 5-HT Receptors

Dihydroergotamine is not as effective as sumatriptan or phenothiazines as a single agent for treatment of acute migraine headache; however, when administered with an antiemetic, dihydroergotamine appears to be as effective as opiates, ketorolac, or valproate.

CN1CC[C@H]2[C@@H](C(=O)N[C@@H](C3=CC=CC=C3)C(=O)N2C(=O)O[C@H]4CCN(CC4)C(=O)N[C@@H](C5=CC=CC=C5)C(=O)O[C@H]6CCN(CC6)C(=O)N[C@@H](C7=CC=CC=C7)C(=O)O[C@H]8CCN(CC8)C(=O)N[C@@H](C9=CC=CC=C9)C(=O)O[C@H]10CCN(CC10)C(=O)N[C@@H](C11=CC=CC=C11)C(=O)O[C@H]12CCN(CC12)C(=O)N[C@@H](C13=CC=CC=C13)C(=O)O[C@H]14CCN(CC14)C(=O)N[C@@H](C15=CC=CC=C15)C(=O)O[C@H]16CCN(CC16)C(=O)N[C@@H](C17=CC=CC=C17)C(=O)O[C@H]18CCN(CC18)C(=O)N[C@@H](C19=CC=CC=C19)C(=O)O[C@H]20CCN(CC20)C(=O)N[C@@H](C21=CC=CC=C21)C(=O)O[C@H]22CCN(CC22)C(=O)N[C@@H](C23=CC=CC=C23)C(=O)O[C@H]24CCN(CC24)C(=O)N[C@@H](C25=CC=CC=C25)C(=O)O[C@H]26CCN(CC26)C(=O)N[C@@H](C27=CC=CC=C27)C(=O)O[C@H]28CCN(CC28)C(=O)N[C@@H](C29=CC=CC=C29)C(=O)O[C@H]30CCN(CC30)C(=O)N[C@@H](C31=CC=CC=C31)C(=O)O[C@H]32CCN(CC32)C(=O)N[C@@H](C33=CC=CC=C33)C(=O)O[C@H]34CCN(CC34)C(=O)N[C@@H](C35=CC=CC=C35)C(=O)O[C@H]36CCN(CC36)C(=O)N[C@@H](C37=CC=CC=C37)C(=O)O[C@H]38CCN(CC38)C(=O)N[C@@H](C39=CC=CC=C39)C(=O)O[C@H]40CCN(CC40)C(=O)N[C@@H](C41=CC=CC=C41)C(=O)O[C@H]42CCN(CC42)C(=O)N[C@@H](C43=CC=CC=C43)C(=O)O[C@H]44CCN(CC44)C(=O)N[C@@H](C45=CC=CC=C45)C(=O)O[C@H]46CCN(CC46)C(=O)N[C@@H](C47=CC=CC=C47)C(=O)O[C@H]48CCN(CC48)C(=O)N[C@@H](C49=CC=CC=C49)C(=O)O[C@H]50CCN(CC50)C(=O)N[C@@H](C51=CC=CC=C51)C(=O)O[C@H]52CCN(CC52)C(=O)N[C@@H](C53=CC=CC=C53)C(=O)O[C@H]54CCN(CC54)C(=O)N[C@@H](C55=CC=CC=C55)C(=O)O[C@H]56CCN(CC56)C(=O)N[C@@H](C57=CC=CC=C57)C(=O)O[C@H]58CCN(CC58)C(=O)N[C@@H](C59=CC=CC=C59)C(=O)O[C@H]60CCN(CC60)C(=O)N[C@@H](C61=CC=CC=C61)C(=O)O[C@H]62CCN(CC62)C(=O)N[C@@H](C63=CC=CC=C63)C(=O)O[C@H]64CCN(CC64)C(=O)N[C@@H](C65=CC=CC=C65)C(=O)O[C@H]66CCN(CC66)C(=O)N[C@@H](C67=CC=CC=C67)C(=O)O[C@H]68CCN(CC68)C(=O)N[C@@H](C69=CC=CC=C69)C(=O)O[C@H]70CCN(CC70)C(=O)N[C@@H](C71=CC=CC=C71)C(=O)O[C@H]72CCN(CC72)C(=O)N[C@@H](C73=CC=CC=C73)C(=O)O[C@H]74CCN(CC74)C(=O)N[C@@H](C75=CC=CC=C75)C(=O)O[C@H]76CCN(CC76)C(=O)N[C@@H](C77=CC=CC=C77)C(=O)O[C@H]78CCN(CC78)C(=O)N[C@@H](C79=CC=CC=C79)C(=O)O[C@H]80CCN(CC80)C(=O)N[C@@H](C81=CC=CC=C81)C(=O)O[C@H]82CCN(CC82)C(=O)N[C@@H](C83=CC=CC=C83)C(=O)O[C@H]84CCN(CC84)C(=O)N[C@@H](C85=CC=CC=C85)C(=O)O[C@H]86CCN(CC86)C(=O)N[C@@H](C87=CC=CC=C87)C(=O)O[C@H]88CCN(CC88)C(=O)N[C@@H](C89=CC=CC=C89)C(=O)O[C@H]90CCN(CC90)C(=O)N[C@@H](C91=CC=CC=C91)C(=O)O[C@H]92CCN(CC92)C(=O)N[C@@H](C93=CC=CC=C93)C(=O)O[C@H]94CCN(CC94)C(=O)N[C@@H](C95=CC=CC=C95)C(=O)O[C@H]96CCN(CC96)C(=O)N[C@@H](C97=CC=CC=C97)C(=O)O[C@H]98CCN(CC98)C(=O)N[C@@H](C99=CC=CC=C99)C(=O)O[C@H]100CCN(CC100)C(=O)N[C@@H](C101=CC=CC=C101)C(=O)O[C@H]102CCN(CC102)C(=O)N[C@@H](C103=CC=CC=C103)C(=O)O[C@H]104CCN(CC104)C(=O)N[C@@H](C105=CC=CC=C105)C(=O)O[C@H]106CCN(CC106)C(=O)N[C@@H](C107=CC=CC=C107)C(=O)O[C@H]108CCN(CC108)C(=O)N[C@@H](C109=CC=CC=C109)C(=O)O[C@H]110CCN(CC110)C(=O)N[C@@H](C111=CC=CC=C111)C(=O)O[C@H]112CCN(CC112)C(=O)N[C@@H](C113=CC=CC=C113)C(=O)O[C@H]114CCN(CC114)C(=O)N[C@@H](C115=CC=CC=C115)C(=O)O[C@H]116CCN(CC116)C(=O)N[C@@H](C117=CC=CC=C117)C(=O)O[C@H]118CCN(CC118)C(=O)N[C@@H](C119=CC=CC=C119)C(=O)O[C@H]120CCN(CC120)C(=O)N[C@@H](C121=CC=CC=C121)C(=O)O[C@H]122CCN(CC122)C(=O)N[C@@H](C123=CC=CC=C123)C(=O)O[C@H]124CCN(CC124)C(=O)N[C@@H](C125=CC=CC=C125)C(=O)O[C@H]126CCN(CC126)C(=O)N[C@@H](C127=CC=CC=C127)C(=O)O[C@H]128CCN(CC128)C(=O)N[C@@H](C129=CC=CC=C129)C(=O)O[C@H]130CCN(CC130)C(=O)N[C@@H](C131=CC=CC=C131)C(=O)O[C@H]132CCN(CC132)C(=O)N[C@@H](C133=CC=CC=C133)C(=O)O[C@H]134CCN(CC134)C(=O)N[C@@H](C135=CC=CC=C135)C(=O)O[C@H]136CCN(CC136)C(=O)N[C@@H](C137=CC=CC=C137)C(=O)O[C@H]138CCN(CC138)C(=O)N[C@@H](C139=CC=CC=C139)C(=O)O[C@H]140CCN(CC140)C(=O)N[C@@H](C141=CC=CC=C141)C(=O)O[C@H]142CCN(CC142)C(=O)N[C@@H](C143=CC=CC=C143)C(=O)O[C@H]144CCN(CC144)C(=O)N[C@@H](C145=CC=CC=C145)C(=O)O[C@H]146CCN(CC146)C(=O)N[C@@H](C147=CC=CC=C147)C(=O)O[C@H]148CCN(CC148)C(=O)N[C@@H](C149=CC=CC=C149)C(=O)O[C@H]150CCN(CC150)C(=O)N[C@@H](C151=CC=CC=C151)C(=O)O[C@H]152CCN(CC152)C(=O)N[C@@H](C153=CC=CC=C153)C(=O)O[C@H]154CCN(CC154)C(=O)N[C@@H](C155=CC=CC=C155)C(=O)O[C@H]156CCN(CC156)C(=O)N[C@@H](C157=CC=CC=C157)C(=O)O[C@H]158CCN(CC158)C(=O)N[C@@H](C159=CC=CC=C159)C(=O)O[C@H]160CCN(CC160)C(=O)N[C@@H](C161=CC=CC=C161)C(=O)O[C@H]162CCN(CC162)C(=O)N[C@@H](C163=CC=CC=C163)C(=O)O[C@H]164CCN(CC164)C(=O)N[C@@H](C165=CC=CC=C165)C(=O)O[C@H]166CCN(CC166)C(=O)N[C@@H](C167=CC=CC=C167)C(=O)O[C@H]168CCN(CC168)C(=O)N[C@@H](C169=CC=CC=C169)C(=O)O[C@H]170CCN(CC170)C(=O)N[C@@H](C171=CC=CC=C171)C(=O)O[C@H]172CCN(CC172)C(=O)N[C@@H](C173=CC=CC=C173)C(=O)O[C@H]174CCN(CC174)C(=O)N[C@@H](C175=CC=CC=C175)C(=O)O[C@H]176CCN(CC176)C(=O)N[C@@H](C177=CC=CC=C177)C(=O)O[C@H]178CCN(CC178)C(=O)N[C@@H](C179=CC=CC=C179)C(=O)O[C@H]180CCN(CC180)C(=O)N[C@@H](C181=CC=CC=C181)C(=O)O[C@H]182CCN(CC182)C(=O)N[C@@H](C183=CC=CC=C183)C(=O)O[C@H]184CCN(CC184)C(=O)N[C@@H](C185=CC=CC=C185)C(=O)O[C@H]186CCN(CC186)C(=O)N[C@@H](C187=CC=CC=C187)C(=O)O[C@H]188CCN(CC188)C(=O)N[C@@H](C189=CC=CC=C189)C(=O)O[C@H]190CCN(CC190)C(=O)N[C@@H](C191=CC=CC=C191)C(=O)O[C@H]192CCN(CC192)C(=O)N[C@@H](C193=CC=CC=C193)C(=O)O[C@H]194CCN(CC194)C(=O)N[C@@H](C195=CC=CC=C195)C(=O)O[C@H]196CCN(CC196)C(=O)N[C@@H](C197=CC=CC=C197)C(=O)O[C@H]198CCN(CC198)C(=O)N[C@@H](C199=CC=CC=C199)C(=O)O[C@H]200CCN(CC200)C(=O)N[C@@H](C201=CC=CC=C201)C(

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