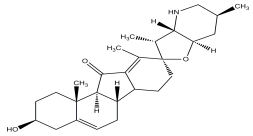
PRODUCT: Jervine

ALTERNATE NAME: (2'*R*,3*S*,3'*R*,3'a*S*,6'*S*,6a*S*,6b*S*,7'a*R*,11a*S*,11b*R*)-2,3,3'a,4,4',5',6,6',6a,6b,7,7',7'a,8,11a,11b-hexadecahydro-3-hydroxy-3',6',10,11b-tetramethyl-Spiro[9*H*-benzo[a]fluorene-9,2'(3'*H*)-furo[3,2-b]pyridin]-11(1*H*)-one

CATALOG #: 2357-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{27}H_{39}NO_3$

MOLECULAR WEIGHT: 425.60

CAS NUMBER: 469-59-0

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (5 mg/ml) or EtOH (10 mg/ml)

PURITY: ≥98% by TLC

STORAGE: At -20° C. Protect from air and moisture

DESCRIPTION: Cell-permeable. Structurally similar to cyclopamine (Cat. No. 1578). Inhibits the sonic hedgehog (shh) pathway by interacting with smoothened. Jervine can be used to induce abnormal morphogenesis in a number of experimental models. Tomatidine (Cat. No. 1893) is a useful negative control.

REFERENCE: Williams, J.A., *et al.* (2003). *Proc. Natl. Acad. Sci. USA* **100,** 4616-4621.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

BODIPY-Cyclopamine **(Cat. No. 2160-50, 250)**
Cyclopamine **(Cat. No. 1578-5)**
Cyclopamine-KAAD **(Cat. No. 1910-50)**
GANT58 **(Cat. No. 1812-5, 25)**
GANT61 **(Cat. No. 1892-5)**
GDC-0449 (**Cat. No. 1890-5, 25)**
Hh Signaling Pathway Antagonist **(Cat. No. 1659-1)**
DiscoveryPak™ hedgehog Signaling Pathway Antagonists Set **(Cat. No. K868-6)**
Itraconazole (**Cat. No. 1987-50, 100, 500, 1000)**
JK-184 **(Cat. No. 1726-1)**
Purmorphamine **(Cat. No. 1672-5)**
Robotnikinin **(Cat. No. 1923-1)**
SANT-1 **(Cat. No. 1978-1,5)**
SANT-2 **(Cat. No. 1976-1, 5)**
Smo Antagonist, SA1 **(Cat. No. 2154)**
Smo Antagonist, SA9 **(Cat. No. 2155)**
Smo Antagonist, SA10 **(Cat. No. 2159)**
Sonic Hedgehog, human recombinant **(Cat. No. 4010-25, 100, 1000)**
Sonic Hedgehog, murine recombinant **(Cat. No. 4020-25, 100, 1000)**
Tomatidine hydrochloride **(Cat. No. 1893-25)**

USAGE: ***FOR RESEARCH CH USE ONLY! Not to be used in humans***

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