

PRODUCT: AKR1C3 Inhibitor II**RELATED PRODUCTS:**

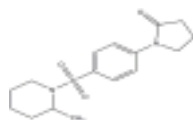
AKR1C3 Inhibitor I (Cat. No. 2403-5, 25)

ALTERNATE NAME: 1-(4-((2-Methylpiperidin-1-yl)sulfonyl)phenyl)pyrrolidin-2-one

CATALOG #: 2404-4, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₆H₂₂N₂O₃S

MOLECULAR WEIGHT: 322.42

CAS NUMBER: N/A

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

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

DESCRIPTION: A highly potent and selective inhibitor of the type 5 17-β-hydroxysteroid dehydrogenase AKR1C3 (IC₅₀ = 94 nM). Displays much weaker inhibitory activity against AKR1C1, AKR1C2 and AKR1C4 (IC₅₀ >30 μM).

REFERENCE: Heinrich, D.M., *et al.* (2013). *Eur. J. Med. Chem.* **62**, 738-744.

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

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