

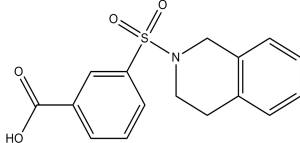
**PRODUCT: AKR1C3 Inhibitor I**

ALTERNATE NAME: 3-(3,4-dihydroisoquinolin-2(1H)-ylsulfonyl)benzoic acid

CATALOG #: 2403-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C<sub>16</sub>H<sub>15</sub>NO<sub>4</sub>S

MOLECULAR WEIGHT: 317.36

CAS NUMBER: N/A

APPEARANCE: 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. In repeat assays it showed an IC<sub>50</sub> of 0.013 ± 0.003 μM for AKR1C3, compared with 20.3 ± 3.8 μM against AKR1C1 and >30 μM against AKR1C2 and AKR1C4. This inhibitor also showed displays potency in a cellular assay, blocking the ability of AKR1C3 to metabolize a proven substrate.

REFERENCE:

Jamieson, S.M.F., *et al.* (2012). *J. Med. Chem.* **55**, 7746-7758.

HANDLING:

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

LICENSING INFORMATION:

*Sold for research purposes under a license agreement with Cancer Research Technology Ltd., U.K.*

USAGE:

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