

PRODUCT:**JNJ-42041935****ALTERNATE NAME:**

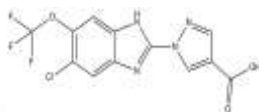
1-[6-chloro-5-(trifluoromethoxy)-1H-benzimidazol-2-yl]-1H-pyrazole-4-carboxylic acid

CATALOG #:

B1072-5, 25

AMOUNT:

5 mg, 25 mg

STRUCTURE:**MOLECULAR FORMULA:**C₁₂H₆ClF₃N₄O₃**MOLECULAR WEIGHT:**

346.65

CAS NUMBER:

1193383-09-3

APPEARANCE:

White to off-white solid

SOLUBILITY:

DMSO (>30 mg/ml)

PURITY:

≥95%

STORAGE:

Store at -20°C. Protect from air and light.

DESCRIPTION:

JNJ-42041935 is a HIF-PHD (Hypoxia-inducible factor- prolyl hydroxylase) inhibitor. JNJ-42041935 is a selective, 2-OG (2-oxoglutarate) competitive, and reversible inhibitor of PHD enzymes (pK_s = 7.91, 7.29, and 7.65 for PHD1, 2, and 3, respectively). It is >100-fold selective for PHD compared to the related FIH (factor-inhibiting HIF) and a panel of various other enzymes.

REFERENCES:Barrett, T.D., *et al.* (2011). *Mol. Pharmacol.* **79**, 910-920.**HANDLING:**

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

RELATED PRODUCTS:BAY 85-3934 (**9597**)DMOG (**2216**)FG-4592 (**9681**)IOX2 (**9451**)**USAGE:****FOR RESEARCH CH USE ONLY! Not to be used in humans**