

## BMS-303141, ATP citrate lyase (ACL) inhibitor

Catalog	Unit
TBI1414-5MG	5 mg
TBI1414-25MG	25 mg

### Product Details

**Formal Name:** 3,5-Dichloro-2-hydroxy-N-(4-methoxy[1,1'-biphenyl]-3-yl)-benzenesulfonamide

**Molecular Formula:** C<sub>19</sub>H<sub>15</sub>Cl<sub>2</sub>NO<sub>4</sub>S

**Formula Weight:** 424.30

**CAS Number:** 943962-47-8

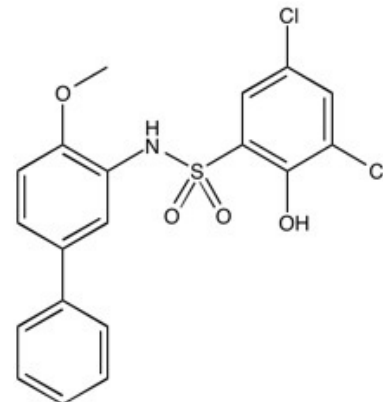
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml with warming)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

ATP citrate lyase (ACL) inhibitor

### Functions

Potent and selective ATP citrate lyase (ACL) inhibitor, IC<sub>50</sub>=0.13 μM. Inhibits lipid biosynthesis, IC<sub>50</sub>=8 μM in HepG2 cells. Reduces weight gain, lowers plasma cholesterol, triglycerides and glucose in high-fat-fed mice. A novel tool compound for exploring the potential of ACL inhibition as a target for metabolic disorders such as obesity and dyslipidemia. Impairs proliferation or induces death in androgen-depleted castration resistant prostate cancer cells. Reduces cell cycle progression in iBN cells.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

**For research use only.**