

Catalog	Unit
TBI4563-10MG	10 mg
TBI4563-50MG	50 mg

Product Details

Formal Name: 1-[(2,4-Dichlorophenyl)methyl]-1H-indazole-3-carboxylic acid

Alternate Names: AF1890; Diclonazolic acid

Molecular Formula: C₁₅H₁₀Cl₂N₂O₂

Formula Weight: 321.20

CAS Number: 50264-69-2

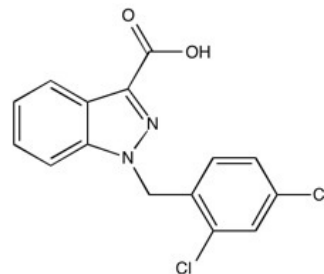
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Inhibits cancer cell metabolism

Functions

Indazole-3-carboxylic acid derivative that inhibits mitochondria-bound hexokinase, reducing aerobic and anaerobic glycolysis in Ehrlich ascites tumor cells (IC₅₀ = 90 and 45 μM, respectively). Causes intracellular acidification by inhibition of lactate transport. Also inhibits the mitochondrial pyruvate carrier (K_i 2.5 μM) and monocarboxylate transporter isozymes, as well as the succinate-ubiquinone reductase activity of respiratory complex II. Enhances infection by oncolytic M1 virus via downregulation of antiviral immune response.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.