

Amlexanox, TBK1 inhibitor; Antidiabetic

Catalog	Unit
TBI1435-100MG	100 mg
TBI1435-500MG	500 mg

Product Details

Formal Name: 2-Amino-7-(1-methylethyl)-5-oxo-5H-[1]benzopyrano[2,3-b]pyridine-3-carboxylic acid

Molecular Formula: C₁₆H₁₄N₂O₄

Formula Weight: 298.30

CAS Number: 68302-57-8

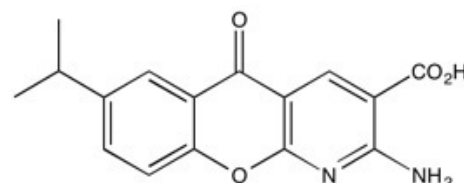
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 60 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

TBK1 inhibitor; Antidiabetic

Functions

Improves obesity-related metabolic dysfunction in mouse models. Increases thermogenesis and weight loss, decreases steatosis and improves insulin sensitivity. Inhibits TANK-binding kinase 1 (TBK1) and IKKε (IC₅₀=1.2 μM). Clinically useful in the treatment of aphthous ulcers. Inhibits prostate tumor metastasis by targeting IKKε/TBK1/NFκB signaling.

Application Procedures

First dissolved in DMSO (up to 60 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.