

Catalog	Unit
TBI5483-10MG	10 mg
TBI5483-50MG	50 mg

Product Details

Formal Name: Naphtho[1,2-d]thiazol-2-ylamine

Alternate Names: 2-Aminonaphthiazole

Molecular Formula: C₁₁H₈N₂S

Formula Weight: 200.10

CAS Number: 40172-65-4

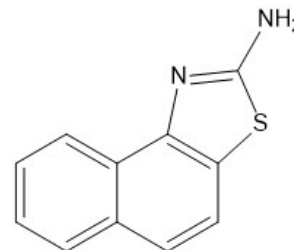
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (40 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Potassium channel activator

Functions

KCa3.1 and KCa2 potassium channel activator (EC₅₀ =260, 2900, 2900 nM for KCa3.1, KCa2.1 and KCa2.2 respectively). Enhances acetylcholine-induced EDHF dilator response in mouse carotid arteries and lowers blood pressure in mouse models at 30 mg/Kg. Evokes robust vasodilation in rat mesenteric arteries.

Application Procedures

First dissolved in DMSO (40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.