

Catalog	Unit
TBI4643-5MG	5 mg
TBI4643-25MG	25 mg

Product Details

Formal Name: 1-(2-Hydroxy-5-(trifluoromethyl)phenyl)-5-(trifluoromethyl)-1H-benzo[d]imidazole-2(3H)-one

Molecular Formula: C₁₅H₈F₆N₂O₂

Formula Weight: 362.2

CAS Number: 153587-01-0

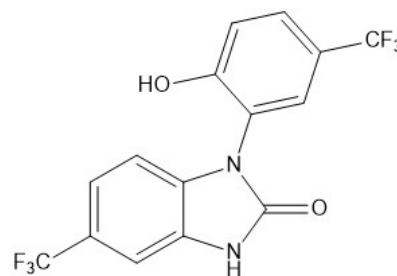
Purity: >98%

Formulation: Powder

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

Storage: -20°C

Stability: ≥ 2 years.



Applications

Selective KCa1.1 activator

Functions

Selective activator of large conductance Ca²⁺-dependent potassium channels (BK_{Ca} or K_{Ca}1.1). It was able to increase blood-brain tumor barrier permeability in rat brain tumor models. NS 1619 inhibited proliferation and induced apoptosis in A2780 ovarian cancer cells. Displays cardioprotective effects in an ischemia-reperfusion model and neuroprotective effects in a traumatic brain injury model.

Application Procedures

First dissolved in DMSO (25 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.