

Catalog	Unit
TBI2733-10MG	10 mg
TBI2733-50MG	50 mg

Product Details

Formal Name: 1-[4-Amino-2-ethoxymethyl)-1H-imidazo[4,5-c]quinolin-1-yl]-2-methylpropan-2-ol

Molecular Formula: C₁₇H₂₂N₄O₂

Formula Weight: 314.38

CAS Number: 144875-48-9

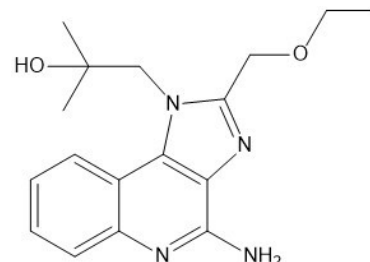
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 30 mg/ml) or in Ethanol (up to 15 mg/ml with warming)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Toll-like receptor 7/8 agonist; Immunostimulant

Functions

A Toll-like receptor 7/8 agonist. May be used as an immune adjuvant in cancer vaccines. Resiquimod-carrying synthetic vaccine particles augment the immune response to encapsulated antigen and exhibit strong local immune activation without inducing systemic cytokine release. Topical treatment of wild-type mice induces systemic autoimmune disease which may be used as a model of systemic Lupus erythematosus. Effect on stem cells depends on cell type^{5,6}.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml) or in Ethanol (up to 15 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or Ethanol may be stored at -20°C for up to 2 months.

For research use only.