

Product Name : KW-2450 free base

Synonyms : —

Cat No. : M36254

CAS Number : 904899-25-8

Molecular Formula : C₂₈H₂₉N₅O₃S

Formula Weight : 515.63

Chemical Name : —

Description : KW-2450 free base is an orally bioavailable inhibitor of insulin-like growth factor 1 receptor (IGF-1R) and insulin receptor (IR) tyrosine kinases with potential antineoplastic activity. IGF-1R/IR inhibitor KW-2450 free base selectively binds to and inhibits the activities of IGF-1R and IR, which may result in the inhibition of tumor cell proliferation and the induction of tumor cell apoptosis. IGF-1R and IR tyrosine kinases, overexpressed in a variety of human cancers, play significant roles in the stimulation of cellular proliferation, oncogenic transformation, and suppression of apoptosis.

Pathway : Angiogenesis

Target : IGF-1R

Receptor : IGF-1R

Solubility : —

SMILES : C(=C/C1=C(NC(=O)C=2SC=CC2C)C=C(CN3CCN(C(CO)=O)CC3)C=C1)\C=4C=5C(NN4)=CC=CC5

Storage : (-20°C)

Stability : ≥ 2 years

Reference :