Datasheet

Product overview

Name            TX-1123  
Cat No           HB0622  
Short description Tyrosine kinase inhibitor  
Biological description Tyrosine kinase inhibitor. Inhibits Src, eEF2-K, and PKA (IC\textsubscript{50} values are 2.2, 3.2 and 9.6 mM respectively). Shows anti-tumor actions and acts as an antiangiogenic hypoxic cell radiosensitizer.  
Biological action Inhibitor

Properties

Chemical name   2-((3,5-di-tert-Butyl-4-hydroxyphenyl)-methylene)-4-cyclopentene-1,3-dione  
Molecular Weight 312.4  
Chemical structure

Molecular Formula C\textsubscript{20}H\textsubscript{24}O\textsubscript{3}  
CAS Number 157397-06-3

Storing and Using Your Product

Storage instructions +4 °C  
Solubility overview Soluble in DMSO (10mg/ml)  
Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

References for TX-1123

TX-1123: an antitumor 2-hydroxyarylidene-4-cyclopentene-1,3-dione as a protein tyrosine kinase inhibitor having low mitochondrial toxicity.

PubMedID: 12150871
Design of hypoxia-targeting protein tyrosine kinase inhibitor using an innovative pharmacophore 2-methylene-4-cyclopentene-1,3-dione.

PubMedID: 15023348

Chemical properties and biological activities of cyclopentenediones: a review.

PubMedID: 24605879