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DATASHEET

TX-1123

Product overview

Name	TX-1123
Cat No	HB0622
Biological action	Inhibitor
Description	Tyrosine kinase inhibitor

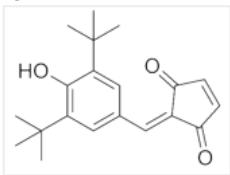
Biological Data

Biological description	Tyrosine kinase inhibitor. Inhibits Src, eEF2-K, and PKA (IC ₅₀ values are 2.2, 3.2 and 9.6 mM respectively). Shows anti-tumor actions and acts as an antiangiogenic hypoxic cell radiosensitizer.
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Solubility & Handling

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.

Chemical Data

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 ₂₀ H ₂₄ O ₃
CAS Number	157397-06-3

References

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

Hori H *et al* (2002) Bioorg Med Chem 10(10)
PubMedID 12150871

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

Hori H *et al* (2004) Biochim Biophys Acta 1697(1-2)
PubMedID 15023348

Chemical properties and biological activities of cyclopentenediones: a review.

Sevcíková Z *et al* (2014) Mini Rev Med Chem 14(4)

PubMedID

24605879
