

Certificate of Analysis

Product Name: CCT 031374 hydrobromide

Catalog No.: 4675

Batch No.: 1

CAS Number: 1219184-91-4

IUPAC Name: 1-[1,1'-Biphenyl]-4-yl-2-(2,3-dihydro-9*H*-imidazo[1,2-*a*]benzimidazol-9-yl)ethanone hydrobromide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₁₉N₃O.HBr

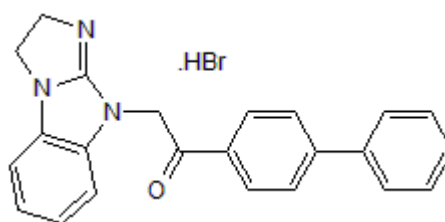
Batch Molecular Weight: 434.33

Physical Appearance: Pale yellow solid

Solubility: DMSO to 50 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	63.6	4.64	9.67
Found	63.62	4.68	9.61

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Inhibitor of TCF-dependent transcription. Blocks BIO-induced β -catenin stabilization; reduces nuclear and cytosolic β -catenin levels in mouse L-cells. Inhibits growth and reduces TCF-dependent transcription in SW480 colon carcinoma cells.

Physical and Chemical Properties:

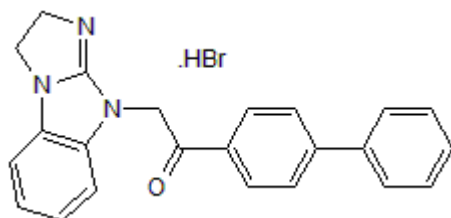
Batch Molecular Formula: C₂₃H₁₉N₃O.HBr

Batch Molecular Weight: 434.33

Physical Appearance: Pale yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Ewan *et al* (2010) A useful approach to identify novel small-molecule inhibitors of Wnt-dependent transcription. *Cancer Res.* **70** 5963. PMID: 20610623.

Storage: Desiccate at RT

Solubility & Usage Info:

DMSO to 50 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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