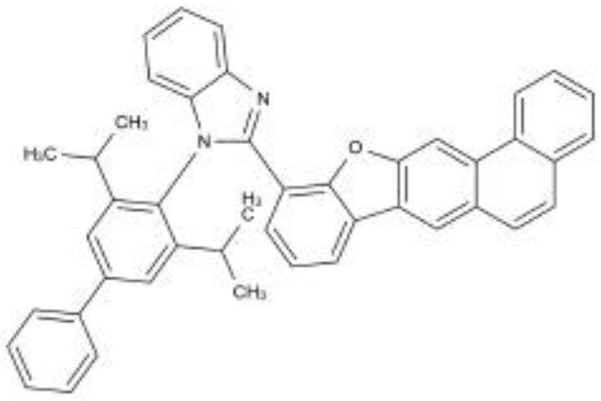
Certificate of Analysis

Reference Material & Standard

Product Name:	1-(3,5-Diisopropyl-[1,1'-biphenyl]-4-yl)-2-(phenanthro[3,2-b]benzofuran-11-yl)-1H-benzo[d]imidazole	**Catalogue Number:**	CIM-105574
Synonyms:	N/A	**Lot Number:**	0614-SA-7718
CAS Number:	N/A	**Expiry Date:**	Jun 14, 27
Molecular Formula:	$C_{45}H_{32}N_2O$	**Storage:**	2°C - 8°C Protected from light and Sealed
Molecular Weight:	620.78		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	96.661%
Uncertainty		±2.0%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

CATO Research Chemicals Inc.

Signature:

Prepared by: Lisa Date: Jun 14, 25

Reviewed by: Yuki Date: Jun 14, 25

Approved by General Manager: David Date: Jun 14, 25

CATO Research Chemicals Inc.

Directions:

1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.

2. Minimum sample size: 1mg is recommended as the minimum sample size.

3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.

4. Instructions for handling and correct use: Handling in a well-ventilated place.

Document Version:

Revision No.	Date	Reason for Revision
01	Jun 14, 25	First release.

CATO Research Chemicals Inc.