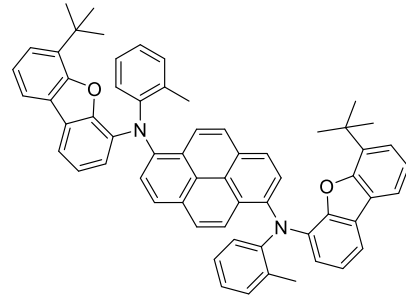



产品质检报告 Certificate of Analysis

产品名称 **BD**
Product Name N,N'-BIS(2-METHYLPHENYL)-N,N'-BIS(6-TERT-BUTYLDIBENZOFURAN-4-YL)PYRENE-3,8-DIAMINE
CAS No. 1438391-43-5
分子式 C₆₂H₅₂N₂O₂
Molecular Formula
分子量 857.09 g/mol
Molecular Weight
货号 PR-BD016
Cat. No.
批次号 S6n831A4
Batch No.
产品级别 升华级
Grade Sublimed
产物性状 黄色粉末
Appearance Yellow powder

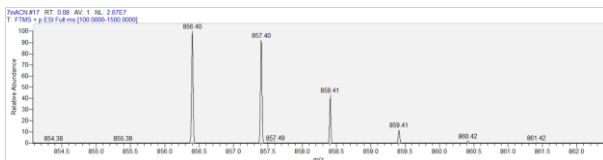


检测结果 Analysis Result


 **结构：质谱**
Structure: Mass spectrum

与化学结构对应 (见附图 1)
 Consistent with chemical structure (Figure 1)

附图 1. **BD** 的质谱
 Figure 1. Mass spectrum of BD



m/z	Intensity	Relative
842.38	184162.4	0.66
843.39	123220.4	0.44
844.40	79392.9	0.28
850.25	95605.1	0.34
851.25	78149.0	0.28
855.39	97445.3	0.35
856.40	27872216.0	100.00
857.40	25860162.0	92.78

 **纯度：高效液相色谱法**
Purity: HPLC

BD 纯度：>99.6%
 (见附图 2/ Figure 2)

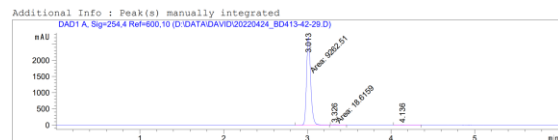
附图 2. **BD** 的高效液相色谱分析
 Figure 2. HPLC analysis of BD

Data File D:\DATA\DAVID\20220424_BD413-42-29.D
Sample Name: 20220424_BD4

```

=====
Acq. Operator   : SYSTEM
Sample Operator: SYSTEM
Acq. Instrument: I260 DAD+ELSD
Injection Date  : 4/24/2022 1:43:14 PM
Location       : Vial 5
Inj Volume     : 2.000 µl

Acq. Method    : C:\CHEM32\1\METHODS\DAVID-20210927.M
Last changed   : 4/24/2022 1:48:38 PM by SYSTEM
                (modified after loading)
Analysis Method: C:\CHEM32\1\METHODS\HNT-220420-HMF-37.M
Last changed   : 4/24/2022 3:57:56 PM by SYSTEM
                (modified after loading)
Sample Info    : DCM
  
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```

=====
Area Percent Report
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Sample Amount  : 1.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=254,4 Ref=600,10

Peak RetTime Type Width Area Height Area
# [min] [min] [min] [mAU*s] [mAU] %
-----|-----|-----|-----|-----|-----
1 3.013 MM 0.0570 9262.51465 2710.40796 99.6021
2 3.326 MM 0.0628 18.61586 4.93725 0.2002
3 4.136 BB 0.0686 18.38915 3.42824 0.1977

Totals : 9299.51866 2718.77345
  
```