

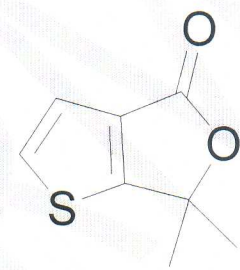
Certificate of Analysis

Spec. Information

Spec. Name	BTC-001848	Spec. Number	BTC-15-COA-8481-01
Production Date	10/10/2018(dd/mm/yyyy)	Replaced Spec. Number	NA.
Analysis of date	10/10/2018(dd/mm/yyyy)	Retest Period	2 years.

Compound Information

Compound Information	
Name	6,6-Dimethyl-6H-thieno[2,3-c]furan-4-one
CAS Number	1951483-73-0
Catalog Number	BTC-001848
Molecular Formula	C ₈ H ₈ O ₂ S
Molecular Weight	168.21
Batch No.	BTC-001848-A3-18100901-FP
Storage conditions	Store at 2-8 °C



The chemical structure shows a thienofuran derivative. It consists of a thiophene ring fused to a furanone ring. The thiophene ring has a double bond between the two carbons adjacent to the fusion point. The furanone ring has a carbonyl group (=O) at the 4-position and a quaternary carbon at the 6-position bonded to two methyl groups. The sulfur atom is at the bottom of the thiophene ring, and the oxygen atom is at the top of the furanone ring.

Specification

Items	Specification	Test result
Appearance	Light yellow liquid	Light yellow liquid
¹ H NMR Spectrum	Conforms to structure	Conforms
Purity(GC, Area, %)	≥99.9	99.9

Analyst: Dick	Checker: Uj
Date: 2018.10.10	Date: 2018.10.10



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