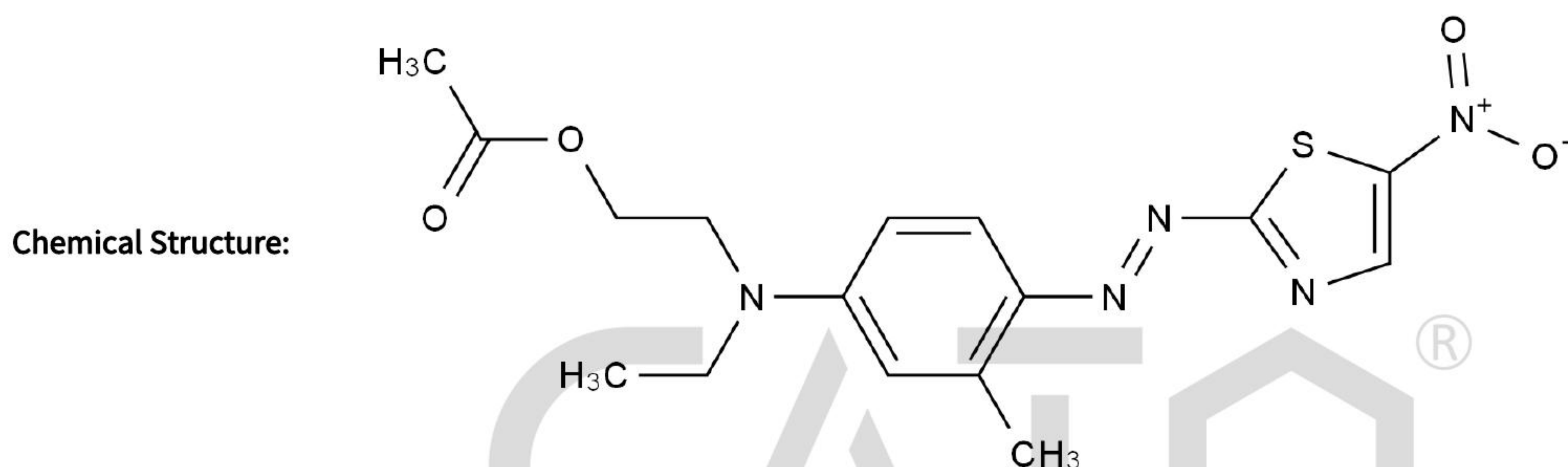


Certificate of Analysis

Reference Material

Product Name:	Disperse Blue 124	Catalogue Number:	CWLT600706
Chemical Name:	N/A	Lot Number:	0601-RE-0019
CAS Number:	15141-18-1	Expiry Date:	Mar 15, 2028
Molecular Formula:	C16H19N5O4S	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	377.42		



Test Items	Method	Results
Appearance	Visual inspection	Blue Solid
Purity	UPLC	98.21%
Water Content	Karl Fischer	0.16%
Assay	qNMR	94.7%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ^1H -NMR.

No chromatogram available.

2. 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.

Signature:

Prepared by:

Reviewed by:

Aporoved by General managers:

Date: Mar 16, 2022

Date: Jun 06, 2023

Date: Jun 06, 2023

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