



Certificate of Analysis

Product Name	Tirabrutinib (ONO-4059)
Catalog No.	V4678
Batch No.	V467801

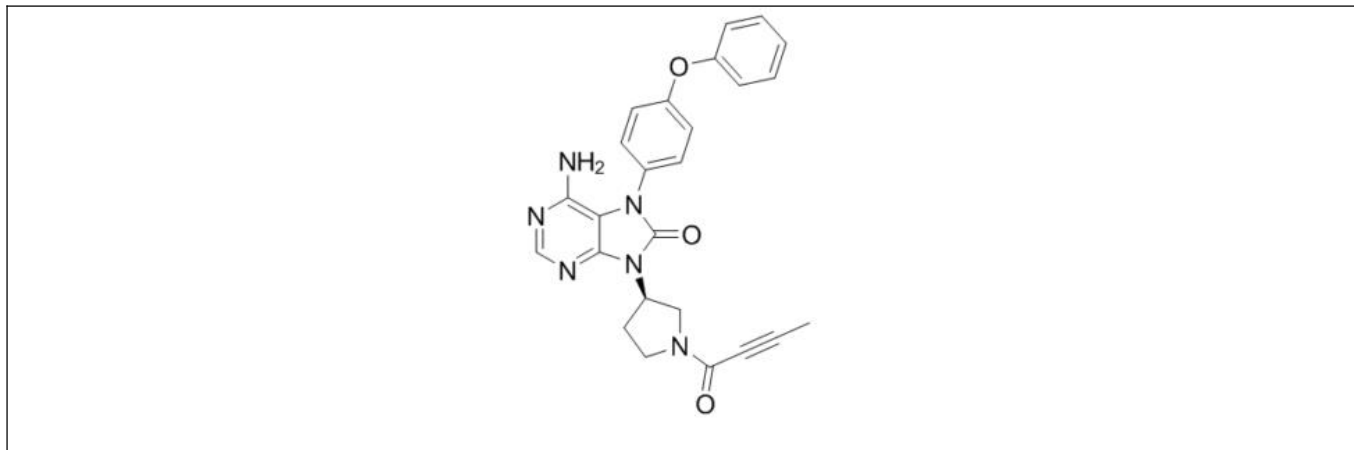
1. Physical and Chemical Properties

Appearance	Powder
Molecular Formula	C ₂₅ H ₂₂ N ₆ O ₃
Molecular Weight	454.49
Purity	≥98.0%
CAS No.	1351636-18-4 (free base)

2. Analytical Data

HPLC	Indicates ≥98.0% purity
NMR	Consistent with structure
Mass Spectrum	Consistent with structure

3. Structure



4. Storage Condition

Short term storage (weeks)	0 - 4 °C under dry condition
Long term storage (months)	-20 °C under dry condition

Products are for research use only • Not for human or veterinary use