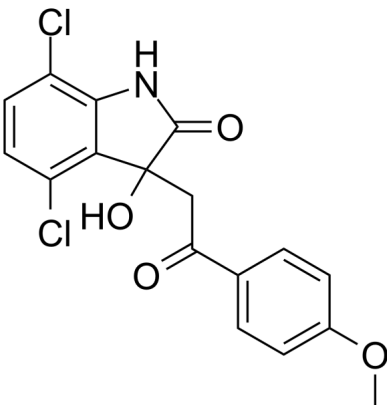


## Certificate of Analysis

Catalog Number	BP10062
Product Name	YK-4-279

## Physical and Chemical Properties

CAS No.	1037184-44-3
Chemical Formula	C <sub>17</sub> H <sub>13</sub> Cl <sub>2</sub> NO <sub>4</sub>
Molecular Weight	366.19
Solubility	Ethanol: 48 mg/mL (131.1 mM) H <sub>2</sub> O: <1 mg/mL; DMSO: 68 mg/mL (185.7 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of YK-4-279 is a benzimidazole derivative. It features a benzimidazole core with two chlorine atoms at the 2 and 6 positions. A hydroxyl group is attached to the 3-position of the benzimidazole ring. A side chain is attached to the 4-position, consisting of a methylene group, a carbonyl group, and a 4-methoxyphenyl group.</p>

## Product Information

Description	YK 4-279, an inhibitor of RNA Helicase A (RHA), binds to the oncogenic transcription factor EWS-FLI1.
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## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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