Certificate of Analysis

Naldemedine (tosylate)

Cat. No.: HY-19627A

CAS No.: 1345728-04-2

Batch No.: 283899

Chemical Name: Morphinan-7-carboxamide, 17-(cyclopropylmethyl)-6,7-didehydro-4,5-epoxy-3,6,14-trihydroxy-

N-[1-methyl-1-(3-phenyl-1,2,4-oxadiazol-5-yl)ethyl]-, (5α) -, 4-methylbenzenesulfonate (1:1)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{39}H_{42}N_4O_9S$ Molecular Weight: 742.84

Storage: -20°C, stored under nitrogen, away from moisture

* In solvent: -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)

Chemical Structure:

ANALYTICAL DATA

Appearance: Off-white to light yellow (Solid)

¹H NMR Spectrum: Consistent with structure

MS: Consistent with structure

Purity (HPLC): 92.16%

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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