**Technical Data Sheet**

**LDN193189**

Catalog Number: 1062443


### Product Information

- **Synonyms:** DM-3189
- **Chemical Name:** 4-(6-(4-(piperazin-1-yl)phenyl)pyrazolo[1,5-a]pyrimidin-3-yl)quinolone
- **Molecular Formula:** $C_{25}H_{22}N_6$
- **Molecular Weight:** 406.5
- **CAS Number:** 1062368-24-4
- **Purity:** ≥95%
- **Applications:** FA
- **Formulation:** Crystalline solid
- **Storage:** Product should be kept at -20°C.

![Chemical Structure](image)

### Description

LDN193189 is a dorsomorphin derivative and potent BMP pathway inhibitor. It is reported to inhibit bone morphogenetic protein (BMP) type I receptors ALK1, ALK2, ALK3, and ALK6. LDN193189 is useful for the promotion of specific cell differentiation and the study of ectopic ossification.

### Preparation & Storage

Soluble in ethanol with warming and sonication up to 0.2mg/ml.

### References

