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**Product Data Sheet**

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Product Name: LDN-0088050

Cat. No.: GC36432

**Chemical Properties**

Cas. No. 353484-30-7

SMILES OC(C(C1C2C=CC1)N3CC4C(C=CC4)C5=CC(Br)=CC2=C35)=OFormula  $C_{19}H_{18}BrNO_2$  M.Wt 372.26

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

LDN 0088050 is selectivity adipocyte fatty acid binding protein (AFABP, FABP4) inhibitor with  $K_i$  values of 0.29 and 1.3  $\mu M$  for FABP4 and FABP3, respectively. LDN 0088050 binds to FABP4 with a  $K_d$  of 2.05  $\mu M$ [1].  $K_i$ : 0.29  $\mu M$  (FABP4), 1.3  $\mu M$  (FABP3)[1]  $K_d$ : 2.05  $\mu M$  (FABP4)[1]

LDN 0088050 significantly inhibits LPS-induced expression of both TNF $\alpha$  and IL-6 in RAW264.7 cells[1].

[1]. Zhou Y, et al. The discovery of novel and selective fatty acid binding protein 4 inhibitors by virtual screening and biological evaluation. *Bioorg Med Chem*. 2016 Sep 15;24(18):4310-4317.

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

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