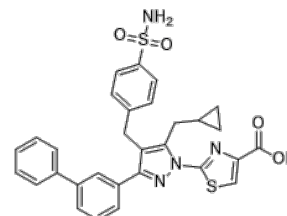


Product Name : LDH-IN-1
Cat. No. : PC-23017
CAS No. : 1964515-43-2
Molecular Formula : C₃₀H₂₆N₄O₄S₂
Molecular Weight : 570.68
Target : Lactate Dehydrogenase (LDH)
Solubility : 10 mM in DMSO



Biological Activity

LDH-IN-1 (LDH inhibitor 63) is a potent, selective and cell-active lactate dehydrogenase (LDH) inhibitor with IC₅₀ of 32 nM/27 nM for LDHA/LDHB respectively.

LDH inhibitor 63 shows negligible activity against both MDH and IDH1 (IC₅₀>20 μM).

LDH inhibitor 63 exhibits IC₅₀ of 0.85 μM in cell-based lactate production assay using the A673 human sarcoma and MiaPaCa-2 human pancreatic cancer.

LDH inhibitor 63 demonstrated cellular target engagement, slow in vitro off-rate and good microsomal stability and aqueous solubility.

References

Rai G, et al. J Med Chem. 2017 Nov 22;60(22):9184-9204.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com