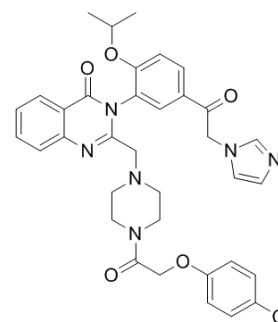


Imidazole ketone erastin

Cat. No.:	HY-114481
CAS No.:	1801530-11-9
Molecular Formula:	C ₃₅ H ₃₅ ClN ₆ O ₅
Molecular Weight:	655.14
Target:	Ferroptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	Imidazole ketone erastin (IKE) is a potent, selective, and metabolically stable inhibitor of the cystine-glutamate antiporter, system X_c⁻ and an activator of ferroptosis .
IC ₅₀ & Target	System X _c ⁻ , ferroptosis ^[1]

REFERENCES

[1]. Zhang Y, et al. Imidazole Ketone Erastin Induces Ferroptosis and Slows Tumor Growth in a Mouse Lymphoma Model. Cell Chem Biol. 2019 Jan 31. pii: S2451-9456(19)30030-3.

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

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