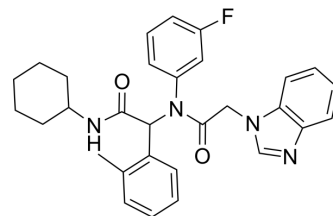


Mutant IDH1-IN-1

Cat. No.:	HY-12475
CAS No.:	1355326-21-4
Molecular Formula:	C ₃₀ H ₃₁ FN ₄ O ₂
Molecular Weight:	498.59
Target:	Isocitrate Dehydrogenase (IDH)
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 45 mg/mL (90.25 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.0057 mL	10.0283 mL	20.0566 mL
	5 mM		0.4011 mL	2.0057 mL	4.0113 mL
	10 mM		0.2006 mL	1.0028 mL	2.0057 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Mutant IDH1-IN-1 is a mutant-selective IDH1 inhibitor with with IC₅₀s of 4, 42, 80 and 143 nM against mutant IDH1 R132C/R132C, IDH1 R132H/R132H, IDH1 R132H/WT and wild type IDH1, respectively.

IC₅₀ & Target

IDH1

CUSTOMER VALIDATION

- J Med Chem. 2023 Mar 23.
- Sci Rep. 2017 Oct 6;7(1):12758.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Deng G, et al. Selective inhibition of mutant isocitrate dehydrogenase 1 (IDH1) via disruption of a metal binding network by an allosteric small molecule. J Biol Chem. 2015 Jan 9;290(2):762-74.

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

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