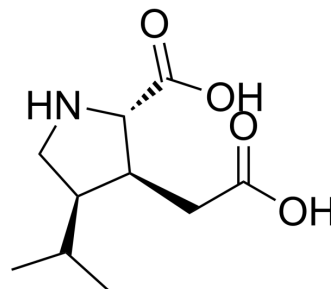


## Dihydrokainic acid

Cat. No.:	HY-100784		
CAS No.:	52497-36-6		
Molecular Formula:	C <sub>10</sub> H <sub>17</sub> NO <sub>4</sub>		
Molecular Weight:	215.25		
Target:	EAAT		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

Description	Dihydrokainic acid (DHK) is a glutamate transporter GLT1 (EAAT2) inhibitor. Dihydrokainic acid impairs novel object recognition (NOR) memory performance in mice. Dihydrokainic acid also shows epileptogenic effects <sup>[1]</sup> .
IC <sub>50</sub> & Target	EAAT2

### REFERENCES

- [1]. Tian SW, et al. Glutamate transporter GLT1 inhibitor dihydrokainic acid impairs novel object recognition memory performance in mice. *Physiol Behav.* 2019 Feb 1;199:28-32.
- [2]. Butcher SP, et al. On the epileptogenic effects of kainic acid and dihydrokainic acid in the dentate gyrus of the rat. *Neuropharmacology.* 1988 Apr;27(4):375-81.

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

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