Quinagolide hydrochloride

Cat. No.: HY-13736A

CAS No.: 94424-50-7

Molecular Formula: $C_{20}H_{34}ClN_3O_3S$

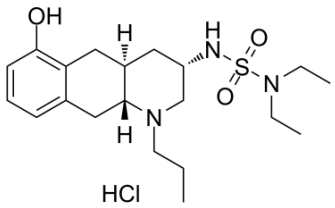
Molecular Weight: 432.02

Target: Dopamine Receptor

Pathway: GPCR/G Protein; Neuronal Signaling

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 3.85 mg/mL (8.91 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.3147 mL	11.5735 mL	23.1471 mL
	5 mM	0.4629 mL	2.3147 mL	4.6294 mL
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Quinagolide hydrochloride is a selective dopamine D2 receptor agonist, also is a prolactin inhibitor. Target: dopamine D2 receptor, prolactinQuinagolide is a selective, D2 receptor agonist (or prolactin-release inhibitor) that is used for the treatment of elevated levels of prolactin. Quinagolide is helpful in reducing prolactin levels to reduce milk production for certain medical reasons and to treat some types of infertility, breast problems and menstrual disorders. Quinagolide exerts a strong and specific inhibitory effect on prolactin release by acting directly on the prolactin-secreting cells of the anterior pituitary without reducing the levels of other pituitary hormones.

REFERENCES

[1]. Mostafa AA, et al. Spectrophotometric determination of clobetasol propionate, halobetasol propionate, quinagolide hydrochloride, through charge transfer complexation. J Pharm Biomed Anal. 2002 Mar 1;27(6):889-899.

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

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