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**Product Data Sheet**

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Product Name: Quinagolide hydrochloride (CV205-502 hydrochloride)

Cat. No.: GC30840

**Chemical Properties**

Cas. No. 94424-50-7

SMILES OC1=C2C(C[C@](N(CCC)C[C@@H](NS(N(CC)CC)(=O)=O)C3)([H])[C@@]3([H])C2)=CC=C1.ClFormula C<sub>20</sub>H<sub>34</sub>ClN<sub>3</sub>O<sub>3</sub>S M.Wt 432.02

Solubility DMSO : ≥ 43 mg/mL (99.53 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Quinagolide hydrochloride is a selective dopamine D2 receptor agonist, also is a prolactin inhibitor. Target: dopamine D2 receptor, prolactin. Quinagolide 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.

[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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