

Product Data Sheet

Product Name: (2-Amino-2,3-dihydro-1H-inden-2-yl)phosphonic acid hydrochloride

Cat. No.: GF53465

Chemical Properties

Cas. No. 1416354-35-2

Formula $C_9H_{13}ClNO_3P$ M.Wt 249.63

Solubility 1 M HCl : 12.5 mg/mL (50.07 mM) Storage Store at room temperature

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

2-Aminoindan-2-phosphonic acid hydrochloride is a competitive phenylalanine ammonia lyase (PAL) inhibitor that significantly decreases the levels of total phenolic compounds and PheGs in plant cultured cells^[1].

References:

[1]. Hu GS, et al. Effects of 2-aminoindan-2-phosphonic acid treatment on the accumulation of salidroside and four phenylethanoid glycosides in suspension cell culture of *Cistanche deserticola*. Plant Cell Rep. 2011 Apr;30(4):665-74.

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

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