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 competitivephenylalanine 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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