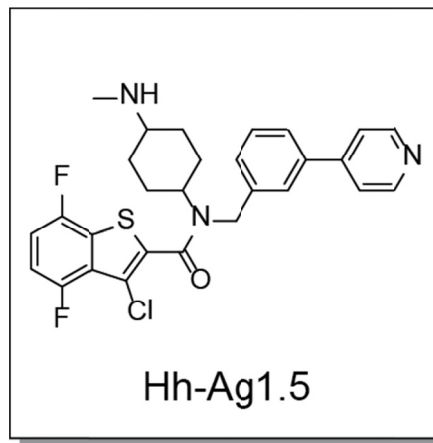




Product Specification Sheet

Product Name:	Hh-Ag1.5
Catalog Number:	C4412-2 (powder) C4412-2s (10 mM in DMSO)
Package Size:	2 mg
Technical information:	
Chemical Formula:	C ₂₈ H ₂₆ ClF ₂ N ₃ OS
CAS #:	N/A
Molecular Weight:	526.04
Purity:	>98%
Formulation:	Yellow powder, or clear solution in DMSO
Solubility:	Soluble in DMSO up to 50 mM
Chemical Name:	3-chloro-4,7-difluoro-N-(4-(methylamino)cyclohexyl)-N-(3-(pyridin-4-yl)benzyl)benzo[b]thiophene-2-carboxamide
Storage:	Store solid powder at 4°C desiccated; Store DMSO solution at -20°C.
Handling:	<ul style="list-style-type: none">For C4412-2 (powder), add 380 µL of DMSO to make 10 mM solution.For C4412-2s, before open the vial, centrifuge the vial at 500rpm x 1 min in a 50 mL conical tube to ensure full recovery of sample.
Biological Activity:	Hh-Ag1.5 is a small-molecule chemical agonist of Smoothed (Smo) receptor and is an activator of sonic hedgehog (Shh) signaling. It is derived from an initial synthetic hit compound "Hh-Ag1.1", and optimized to achieve the activity IC ₅₀ = 1 nM for agonist activity.
Reference:	<ol style="list-style-type: none">The Hedgehog Signaling Pathway as a Target for Anticancer Drug Discovery. Borzillo and Lippa. Current Topics in Medicinal Chemistry 2005, (5), 147-157.Small-molecule modulators of Hedgehog signaling: identification and characterization of Smoothed agonists and antagonists. Frank-Kamenetsky et. al. Journal of Biology 2002 (1): 10.2-10.19.



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