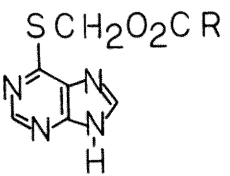
Table 13.4 Calculated Solubility Parameters (δ) of S^6-Acyloxymethyl-6-mercaptopurine Derivatives, and the Fluxes ($J_i^{s,v}$) and log Permeability Coefficients (log $P_i^{s,v}$) for the Delivery of 6-Mercaptopurine (6-MP) by the Derivatives from Isopropyl Myristate (IPM) and Propylene Glycol (PG)



Compound, R =	Solubility[a] IPM, PG	Calculated δ_i $(cal/cm^3)^{1/2}$	Isopropyl myristate: Flux ($J_i^{s,v}$), [b] $mg/cm^2h \times 10^3$ (± SD)		Isopropyl myristate: log $P_i^{s,v}$, cm/h	Propylene glycol: Flux ($J_i^{s,v}$), [b] $mg/cm^2h \times 10^3$ (± SD)		Propylene glycol: log $P_i^{s,v}$, cm/h
1, 6-MP[a]		14.4	0.60	(0.30)	− 0.73	0.093	(0.006)	− 4.82
9, CH_3	0.16, 14.2	14.4	30.8	(8.8)	− 0.72	0.55	(0.22)	− 4.41