

Supporting Information

Selective and potent urea inhibitors of *Cryptosporidium parvum* inosine 5'-monophosphate dehydrogenase

Suresh Kumar Gorla, Mandapati Kavitha, Minjia Zhang, Xiaoping Liu, Lisa Sharling, Deviprasad R. Gollapalli, Boris Striepen, Lizbeth Hedstrom, Gregory D. Cuny

Table of Contents:

1) HPLC Method	S2
2) HPLC Method and purity assessment	S2-S3

HPLC purity assessments

Instrument: Agilent 1100

Column: Zorbax® SB-C8 column, 30 x 4.6 mm, 3.5 µm

Injection volume: 5 µL

Sample concentration: 1 -2 mg/mL in 100 % acetonitrile

λ: 254 nm

Elution solvent: 5 % acetonitrile and 95 % water (both solvents contain 0.1 % trifluoroacetic acid) with a total run time of 2.5 min.

Elution rate: 3.0 mL/min

Compound	Retention time (min)	Purity (%)
5a	1.83	98
5b	1.83	98
5c	1.69	98
5d	1.84	98
5e	1.65	98
5f	1.58	97
5g	1.97	98
5h	1.91	98
5i	1.74	97
5j	1.84	98
5k	1.54	98
5l	1.59	98
5m	1.22	97
5n	1.57	96
5o	1.86	98
5p	1.66	97
5q	1.50	97
5r	1.34	98
5s	1.39	96
5t	1.50	97
5u	1.32	98
6a	1.80	98
6b	1.62	98
6c	1.60	97
7a	1.55	98
7b	1.54	98
7c	1.61	97

7d	1.61	98
7e	1.78	98
8a	1.70	97
8b	1.68	98
8c	1.80	97
9	1.44	96
10	1.68	98
11	1.96	98
17	1.52	98
23	1.43	98
25	1.56	98
26	1.46	97
28	1.85	97
36a	1.46	98
36b	1.69	98
37	1.40	97
38	2.1	96
